

## 2021 Fall Regional Recommendations Specifications and Tolerances (S&T) Committee

V=Voting	I=Informational	A=Assigned	D=Developing	W=Withdrawn	NR=No Recommendation
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### GEN – GENERAL CODE

**GEN-19.1     D     G-T.5. Tolerances on Tests When Transfer Standards are Used., Appendix A, Section 3.2. Tolerances for Standards., and Appendix D – Definitions: standards, field., ~~transfer standard.~~ and standard, transfer,**

WWMA	SWMA	NEWMA	CWMA
D	A		D

### BLOCK 6 ITEMS (B6)     COMMERCIAL AND LAW ENFORCEMENT, AXLE AND AXLE GROUP WEIGHTS

**B6: GEN-22.1     G.A.1. Commercial and Law-Enforcement Equipment.**

WWMA	SWMA	NEWMA	CWMA
D	D		D

**B6: SCL-22.1     S.1.14. Recorded Representation of Axle or Axle Group Weights**

WWMA	SWMA	NEWMA	CWMA
D	D		D

**B6: SCL-22.3     UR.3.3. Single-Draft Vehicle Weighing., and UR.3.4. Axle and Axle Group Weight Values.**

WWMA	SWMA	NEWDMA	CWMA
D	D		D

### BLOCK 2 ITEMS (B2)     DEFINE TRUE VALUE FOR USE IN ERROR CALCULATIONS

**B2: SCL-20.3     I     S.5.4. Relationship of Minimum Load Cell Verification Interval to the Scale Division**

WWMA	SWMA	NEWMA	CWMA
I	A		A

**B2: SCL-20.4 I Table 3. Parameters of Accuracy Classes.**

WWMA	SWMA	NEWMA	CWMA
I	A		A

**B2: SCL-20.5 I Table S.6.3.a. Marking Requirements, Note 3.**

WWMA	SWMA	NEWMA	CWMA
I	A		A

**B2: SCL-20.6 I T.N.1.2. Accuracy Classes and T.N.1.3. Scale Division.**

WWMA	SWMA	NEWMA	CWMA
I	A		A

**B2: SCL-20.7 I Table 7. Maintenance Tolerances**

WWMA	SWMA	NEWMA	CWMA
I	A		A

**B2: SCL-20.8 I Table 8. Recommended Minimum Load**

WWMA	SWMA	NEWMA	CWMA
I	A		A

**SCL – SCALES**

**SCL-20.9 D S.1.1.3. Zero Indication, Load Receiving Elements Separate from Weighing Elements. and Appendix D – Definitions: no load reference value**

WWMA	SWMA	NEWMA	CWMA
D	D		W

**SCL-22.2 UR.1. Selection Requirements, UR.1.X. Cannabis**

WWMA	SWMA	NEWMA	CWMA
D	V		V

**BLOCK 4 ITEMS (B4) ELECTRONICALLY CAPTURED TICKETS OR RECEIPTS**

**B4: GEN-21.2 D G-S.5.6. Recorded Representations.**

WWMA	SWMA	NEWMA	CWMA
D	D		D

**B4: LMD-21.2 D S.1.6.5. Money Value Computations., UR.3. Use of a Device.**

WWMA	SWMA	NEWMA	CWMA
D	D		D

**B4: VTM-21.1 D S.1.1. Primary Elements., UR.2. User Requirements**

WWMA	SWMA	NEWMA	CWMA
D	D		D

**B4: LPG-21.1 D S.1.1. Primary Elements., UR.2. User Requirements**

WWMA	SWMA	NEWMA	CWMA
D	D		D

**B4: CLM-21.1 D S.1.4.1. ~~Printed Ticket~~Recorded Representation., UR.2.6.3. ~~Printed Ticket~~Recorded Representation.**

WWMA	SWMA	NEWMA	CWMA
D	D		D

**B4: MLK-XX.X D S.1.4.2. ~~Printed Ticket~~ Recorded Representation., UR.2.6.3. ~~Printed Ticket~~Recorded Representation.**

WWMA	SWMA	NEWMA	CWMA
D	D		D

**B4: MFM-21.2 D S.6. ~~Printer~~Recorded Representations., UR.2.6. ~~Ticket Printer, Customer Ticket,~~ Recorded Representation., UR.3.4. ~~Printed Ticket.~~ Recorded Representation.**

WWMA	SWMA	NEWMA	CWMA
D	D		D

**B4: CDL-21.1 D S.1.4.1. ~~Printed Ticket~~Recorded Representations., UR.2.4.2. ~~Tickets or Invoices.~~ Recorded Representation.**

WWMA	SWMA	NEWMA	CWMA
D	D		D

**B4: HGM-21.1 D S.2.6. Recorded Representations, Point of Sale Systems., S.6. Printer. Recording Element., UR.3.2. Vehicle-mounted Measuring Systems Ticket Printer Recording Element., UR.3.3. Printed Ticket. Recorded**

WWMA	SWMA	NEWMA	CWMA

D	D		D
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**B4: OTH-21.2 D Appendix D - Definitions.: recorded representations, recording element.**

WWMA	SWMA	NEWMA	CWMA
D	D		D

**ITEM BLOCK 1 (B1) TERMINOLOGY FOR TESTING STANDARDS**

**B1: SCL-18.1 A N.2. Verification (Testing) Standards**

WWMA	SWMA	NEWMA	CWMA
D	D		D

**B1: ABW-18.1 D N.2. Verification (Testing) Standards**

WWMA	SWMA	NEWMA	CWMA
D	D		D

**B1: AWS-18.1 D N.1.3. Verification (Testing) Standards, N.3.1. Official Tests, UR.4. Testing Standards**

WWMA	SWMA	NEWMA	CWMA
D	D		D

**B1: CLM-18.1 D N.3.2. Transfer Standard Test and T.3. On Tests Using Transfer Standards**

WWMA	SWMA	NEWMA	CWMA
D	D		D

**B1: CDL-18.1 D N.3.2. Transfer Standard Test, T.3. On Tests Using Transfer Standards**

WWMA	SWMA	NEWMA	CWMA
D	D		D

**B1: HGM-18.1 D N.4.1. Master Meter (Transfer) Standard Test, T.4. Tolerance Application on Test Using Transfer Standard Test Method**

WWMA	SWMA	NEWMA	CWMA
D	D		D

**B1: GMA-18.1 D 5.56(a): N.1.1. Air Oven Reference Method Transfer Standards, N.1.3. Meter to Like-Type Meter Method Transfer Standards and 5.56(b): N.1.1. Transfer Standards, T. Tolerances<sup>1</sup>**

WWMA	SWMA	NEWMA	CWMA
D	D		D

**B1: LVS-18.1 D N.2. Testing Standards**

**Item Under Consideration:**

WWMA	SWMA	NEWMA	CWMA
D	D		D

**B1: OTH-18.1 D Appendix A: Fundamental Considerations, 3.2. Tolerances for Standards, 3.3. Accuracy of Standards**

WWMA	SWMA	NEWMA	CWMA
D	D		D

**B1: OTH-18.2 D Appendix D – Definitions: fifth-wheel, official grain samples, transfer standard and Standard, Field**

WWMA	SWMA	NEWMA	CWMA
D	D		D

**ITEM BLOCK 5 (B5) DEFINE “FIELD REFERENCE STANDARD”**

**B5: CLM-18.2 D N.3.2. Transfer Standard Test and T.3. On Tests Using Transfer Standards**

WWMA	SWMA	NEWMA	CWMA
D	W		W

**B5: CDL-18.2 D N.3.2. Transfer Standard Test and T.3. On Tests Using Transfer Standards**

WWMA	SWMA	NEWMA	CWMA
D	W		W

**B5: HGM-18.2 D N.4.1. Master Meter (Transfer) Standard Test and T.4. Tolerance Application on Test Using Transfer Standard Test Method**

WWMA	SWMA	NEWMA	CWMA
D	W		W

**B5: OTH-18.3 A Appendix D – Definitions: field reference standard meter and transfer standard**

WWMA	SWMA	NEWMA	CWMA
D	W		W

**LMD – LIQUID MEASURING DEVICES**

**LMD-21.1 D Table S.2.2. Categories of Device and Method of Sealing**

WWMA	SWMA	NEWMA	CWMA
V	V		V

**LMD-22.1 Table T.2. Accuracy Classes and Tolerances for Liquid Measuring Devices Covered in NIST Handbook 44, Section 3.30**

WWMA	SWMA	NEWMA	CWMA

**VTM – VEHICLE TANK METERS**

**VTM-18.1 D S.3.1 Diversion of Measured Liquid and S.3.1.1. Means for Clearing the Discharge Hose and UR.2.6. Clearing the Discharge on a multiple-product, single discharge hose.**

WWMA	SWMA	NEWMA	CWMA
D	D		D

**VTM-20.2 D Table T.2. Tolerances for Vehicle Mounted Milk Meters.**

WWMA	SWMA	NEWMA	CWMA
D	D		A

**LPG – LIQUIFIED PETROLEUM GAS AND ANHYDROUS AMMONIA LIQUID-MEASURING DEVICES**

**LPG-22.1 A.1. General., and Appendix D – Definitions. Liquefied Petroleum Gas Retail Motor Fuel Device.**

WWMA	SWMA	NEWMA	CWMA
D	V		D

**LPG-15.1 D N.3. Test Drafts.**

WWMA	SWMA	NEWMA	CWMA
D	V		V

**LPG-22.2**            **S.2.6. Zero-Set-Back Interlock, for Stationary Customer-Operated Retail Motor-Fuel Devices, Electronic.**

WWMA	SWMA	NEWMA	CWMA
D	W		D

**LPG-22.3**            **S.2.5. Zero-Set-Back Interlock, Stationary ~~and Vehicle Mounted Meters, Electronic.~~, S.2.6. Zero-Set-Back Interlock, Vehicle Mounted Meters, Electronic., and S.2.67. Zero-Set-Back Interlock for Stationary Self-Operated**

WWMA	SWMA	NEWMA	CWMA
D	V		D

**MFM – MASS FLOW METERS**

**MFM-15.1**    **D**    **N.3. Test Drafts.**

WWMA	SWMA	NEWMA	CWMA
D	V		V

**MFM-22.1**            **Table T.2. Accuracy Classes and Tolerances for Mass Flow Meters.**

WWMA	SWMA	NEWMA	CWMA
V	V		V

**BLOCK 7 ITEMS (B7) TOLERANCES ON TESTS USING TRANSFER STANDARDS**

**B7: CLM-22.1**        **T.3. On Tests Using Transfer Standards.**

WWMA	SWMA	NEWMA	CWMA
D	D		D

**B7: CDL-22.1**            **T.3. On Tests Using Transfer Standards.**

WWMA	SWMA	NEWMA	CWMA
D	D		D

**B7: HGM-22.1**        **T.4. Tolerance Application on Tests Using Transfer Standard Test Method.**

WWMA	SWMA	NEWMA	CWMA
D	D		D

## **EVF – ELECTRIC VEHICLE FUELING SYSTEMS**

### **EVF-21.1 D A.1. General**

WWMA	SWMA	NEWMA	CWMA
W	W		D

### **EVF-20.1 D S.1.3.2. EVSE Value of the Smallest Unit.**

WWMA	SWMA	NEWMA	CWMA
V	V		V

### **EVF-21.5 D T.2. Load Test Tolerances.**

WWMA	SWMA	NEWMA	CWMA
W	W		W

## **TXI – TAXIMETERS**

### **TXI-22.1 Table S.5. Categories of Device and Methods of Sealing**

WWMA	SWMA	NEWMA	CWMA
V	V		V

## **GMA – GRAIN MOISTURE METERS 5.56 (A)**

### **GMA-19.1 D Table T.2.1. Acceptance and Maintenance Tolerances Air Oven Method for All Grains and Oil Seeds.**

WWMA	SWMA	NEWMA	CWMA
D	D		D

## **MDM – MULTIPLE DIMENSION MEASURING DEVICES**

### **MDM-22.1 S.1.7. Minimum Measurement.**

WWMA	SWMA	NEWMA	CWMA
D	W		NR



## **BLOCK 3 ITEMS (B3) TOLERANCES FOR DISTANCE TESTING IN TAXIMETERS**

### **B3: TXI-20.1 D T. Tolerances**

WWMA	SWMA	NEWMA	CWMA
D	D		D

### **B3: TNS-20.1 D T. Tolerances**

WWMA	SWMA	NEWMA	CWMA
D	D		D

## **OTH – OTHER ITEMS**

### **OTH-16.1 D Electric Watthour Meters Code under Development**

WWMA	SWMA	NEWMA	CWMA
D	D		D

### **OTH-22.1 Appendix A: Fundamental Considerations, 3. Testing Apparatus**

WWMA	SWMA	NEWMA	CWMA
D	D		V

### **OTH-22.2 Appendix D – Definitions: face**

WWMA	SWMA	NEWMA	CWMA
V	V		V

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