



WEIGHLOG

SCALE MANUFACTURERS ASSOCIATION, INC.
6724 Lone Oak Blvd. • Naples, Florida 34109
<http://www.scalemanufacturers.org>

SMA Member Companies

REGULAR MEMBERS

Avery Weigh-Tronix, Inc.

Cardinal Scale Manufacturing Co.

Fancor, Inc.

Hobart Corporation

Hottinger Baldwin Measurements

LTS Scale Corporation

McKesson Automation Systems

Mettler-Toledo, Inc.

Sartorius Corporation

Systems Associates, Inc.

Vishay Transducers

ASSOCIATE MEMBERS

A&D Engineering, Inc.

Doran Scales, Inc.

Flintec, Inc.

NCR

Rice Lake Weighing Systems



WINTER 2005

SMA FALL MEETING REACHES NEW HEIGHTS



The SMA's Fall Meeting convened at the Beaver Run Resort in Breckenridge, Colorado from Wednesday, November 9 to Friday, November 11, 2005. This had to be the highest elevation at which the SMA has ever met. GPS Elevation taken from the meeting rooms was 9,724 feet above sea level. The natural beauty of the area was truly stunning and "breathtaking". The air was somewhat rarified. Those in

and out of shape noticed the lack of oxygen only when they did such things as breathe, stand up, walk, run, climb stairs, or sit down. The town was preparing for the opening of the ski lifts for the season on Friday morning, Nov. 11, and what snow there was was supplemented by snow making machines due to an unseasonal warm spell. Some attendees planned to stay and get their first schusses of the season out of the way. The location was truly memorable. The next meeting will be at sea level.



Seventy five percent of SMA Member Companies were in attendance. Members had an opportunity to directly hear and discuss the status of national and NTEP issues before the National Conference on Weights and Measures from NCWM Chairman, Don Onwiler. Members also had an opportunity to directly hear and discuss the status of proposals and programs at the NIST Office of Weights and Measures from Henry Oppermann, the recently retired Chief of that division who was on contract to represent NIST at the SMA Meeting. Those attending the Technical Committee meeting also had an opportunity to interface directly with Clark Cooney, the Chairman of the NCWM S&T Committee as well as Juana Williams, the NIST Technical Advisor to the S&T Committee. Kristin Young, Chief, Measurement Standards Section, Colorado Department of Agriculture, welcomed the SMA to Colorado, and to Breckenridge in particular. She provided an overview of the state of weights and measures programs in Colorado and stayed on to discuss NCWM and SMA issues.



SMA President, Rick Norden and SMA Director, Doug Biette, welcome Kristin Young to the SMA Fall Meeting.

SMA's Board of Directors extended Darrell Flocken's term as SMATC chair until April 2007. Chair and vice chair positions will then be two year terms.

The assembled members adopted SMA Positions on issues on the agenda of the NCWM Specifications and Tolerance Committee at the upcoming Interim Meeting of the NCWM in January. Those positions are at the back of this newsletter.

An Industry Round Table was conducted and allowed the members to share their perceptions of the business climate and the problems that confront the industry. The consensus appeared to be that business has been very good and they anticipate improvements into the new year. Consolidation of manufacturing locations continues both in the United States and abroad. Stainless steel and oil prices have stabilized. Major issues continue to rising health care costs, transition to lead free compliance in Europe, and growth of direct competition from Chinese manufacturers.

OFFICERS

President

Richard G. Norden
FANCOR, Inc.

Vice President

Todd Manifold
Mettler-Toledo, Inc.

Immediate Past President

Robert J. Schuller
Hobart Corporation

Executive Director

Robert A. Reinfried
SMA

DIRECTORS

Term Expires 2006

Robert J. Schuller
Hobart Corporation

Term expires 2007

Todd Manifold
Mettler-Toledo, Inc.

Term expires 2008

Richard G. Norden
FANCOR, Inc.

Doug Biette
Sartorius Corporation

STAFF

Technical Assistant

Philip G. Hannigan

Meeting Coordinator

Kimberly MacLaren

SMA WELCOMES BACK NEW MEMBER

SMA was able to welcome back another former member this year.

NCR rejoined SMA on August 8, 2005 as an Associate Member. Their official representative is Scott Henry, compliance engineer. Other key representatives are Bernard Toussant, compliance engineering manager, and Jeff King, compliance engineering technician. Their headquarters is at 2651 Satellite Blvd., Duluth, GA 30096. They can be contacted at 770-623-7543. Though no members of the company attended the Fall Meeting, we look forward to their participation and involvement in SMA activities at future meetings.

SMA membership is comprised of companies dedicated to the best interests of the scale industry as a whole, to the owners and users of scales, who are entitled to the best practical weighing equipment which can be produced, and to the public, which is so dependent upon accurate and dependable weights.

FUTURE MEETINGS

For future SMA Fall Meetings, the schedule was moved to the week before Thanksgiving and changed to a Tuesday-Thursday pattern and to allow more time for the S&T agenda to be finalized. For 2006 the dates are November 14-16.

NTEP Directors Questions for 2005 Published

The NTEP Directors Questions for 2005 have been compiled and published on the SMA web site.

Since 1997, the Scale Manufacturers Association and the National Conference on Weights and Measures have hosted breakfast meetings at the regional Weights and Measures association venues throughout the year. Each year we have asked for candidate questions about the NTEP program from SMA, NIST/OWM, NCWM, and State Directors. The candidate questions were balloted and scored by degree of interest. We then selected the top three or four questions to ask that year. In order to ascertain the degree of uniformity and interpretation of selected W&M practices, the same questions are asked at each regional meeting.

The following questions were discussed in the 2005 round.

QUESTION ONE:

Once the NCWM Conformity Assessment Program is in place, do you envision your inspectors doing anything different and, if so, what?

QUESTION TWO:

The VCAP committee has created a sub-committee to develop an Initial Verification Process. Do you agree that initial verification testing should be more complete than subsequent verification testing? If you agree, are you interested in participating in the development and/or the testing of this process?

QUESTION THREE:

A distribution company, located outside your jurisdiction, sells a price-computing scale to a user within your jurisdiction. The scale purchaser is instructed by documentation included with the scale to contact a local scale service company or weights and measures inspector for information on placing the scale in commercial use. What other requirements, if any, do you place on the distribution company.information of value?

NEWS YOU CAN USE

UPCOMING MEETINGS OF INTEREST TO SMA MEMBERS

NCWM 91st Interim Meeting

Omni Jacksonville, Jacksonville, Florida
January 22 - 25, 2006
<http://www.ncwm.net>

SMA 61st Annual Meeting

Kiawah Island, South Carolina or SW Florida
April 19 - 21, 2006
<http://www.scalemanufacturers.org>

Northeast W&M Association Annual Meeting

Trump Plaza, Atlantic City, New Jersey
May 22-25, 2006
Contact: Stephen Agostinelli, 508-862-4669

Central W&M Association Annual Meeting

Holiday Inn, Dayton Mall, Miamisburg, Ohio
April 30-May 3, 2006
Contract: Judy Cardin, 608-224-4945

NCWM 91st Annual Meeting

Chicago Marriott, Chicago, Illinois
July 9 - 13, 2006
<http://www.ncwm.net>

Western W&M Association Annual Meeting

Radisson Downtown, Salt Lake City, Utah
September 10-14, 2006
<http://www.westernwma.org>

Southern W&M Association Annual Meeting

Annapolis, Maryland
October 22-25, 2006
<http://www.swma.org>

NTEP Weighing Sector Annual Meeting

Annapolis, Maryland
October 26-28, 2006
<http://www.ncwm.net>

Combined Regional Metrology Meeting

Omni Hotel, Broomfield, CO
OCTOBER 29 - November 3, 2006
Contact: Georgia Harris, 301-975-4014

SMA Fall Meeting

Santa Fe, Tucson, or Phoenix
November 14 - 16, 2006
<http://www.scalemanufacturers.org>

NCWM 92nd Interim Meeting

Omni Jacksonville, Jacksonville, Florida
January 21 - 24, 2007

NCWM 91st Annual Meeting

Snowbird Resort, Salt Lake City, Utah
July 8 - 12, 2007

NEW W&M Quarterly Published in November 2006.

The latest NIST Weights and Measures Quarterly, it is available as a PDF document from the following link: <http://ts.nist.gov/ts/htdocs/230/235/wmquarterly.pdf>. Some items of particular importance to many members are summarized below.

NOW AVAILABLE - Free - OIML Publications.

All OIML Publications are now available for download from the Internet FREE OF CHARGE. To download OIML Recommendations and Documents (which can be freely reproduced), please go to <http://www.oiml.org> and click the "Download Publications" link in the menu.

Recent New OIML Documents of Interest

Part 1: Metrological and Technical Requirements" for the 2006 Edition of OIML Recommendation R111 "Weights of Classes E1, E2, F1, F2, M1, M1-2, M2, M2-3 and M3" has been published and is available for free download at the Download Publications link at <http://www.oiml.org> on the Internet.

ARTICLES OF PARTICULAR INTEREST TO SMA

Changing Technology and the Weights and Measures Official by Juana Williams. At the SMA Fall Meeting, the SMA Technical Committee launched the development of a briefing for weights and measures officials that would highlight the newly deployed wireless technologies and what they should know about them from a regulatory and inspection point of view. Juana Williams' article sets the stage for this briefing very well as she describes the new technologies and what critical items the regulatory officials should be concerned with. This article can be very helpful for manufacturers who have to introduce their new technologies to the regulated marketplace.

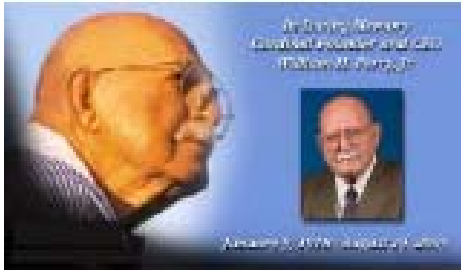
Update on the Revision of OIML R76 Non-automatic Weighing Instruments (NAWI) by: Steven Cook

At the SMA Fall Meeting, the SMA Technical Committee advised attendees of the availability of this second draft revision of the OIML R76 on Non-automatic Weighing Instruments. The deadline for U.S. comments back to Steve is 30 December, 2006. The article provides an excellent overview of changes of interest to U.S. manufacturers. It also provides web links on where to download the document, summaries, and U.S. positions. If your company can be affected by this document, you should have one of your technical people review the changes to identify any potential cost or compliance issues that will attend the publication of the revised document.

YOU MAY HAVE MISSED THIS ARTICLE IN THE AUGUST ISSUE

Vehicle Scales and Remote Displays by Steven Cook WMD occasionally receives questions asking whether or not truck drivers at vehicle scale installations are required to have access to weight indications, and if so, are remote or "scoreboard" displays required. This article discusses how NIST Handbook 44 General Code paragraph G-UR.3.3. Position of Equipment applies to some typical vehicle scale applications and offers guidance to help weights and measures officials and vehicle scale owners/users determine if an installation is required to have weight displays visible to customers and when remote or "scoreboard" displays are required. (Note that some jurisdictions may have enacted laws, regulations, or policies different than what is specified in Handbook 44 or covered in this article.) To download go to: <http://ts.nist.gov/ts/htdocs/230/235/archive/A-015.pdf>

SMA Honors the Memory of Bill Perry



The Scale Manufacturers Association recently lost one of its longest and most dedicated supporters, and we extend our sincere condolences to the friends and family of this remarkable man.

William H. Perry Jr., Founder and CEO of the Cardinal Scale Manufacturing Company, passed away in his sleep on Friday, Aug. 19, 2005, at St. John's Regional Medical

Center in Joplin, Missouri. He was born Jan. 9, 1918, in Webb City, the son of the late William H. Perry Sr. and Tressa Pepper. He was an honors graduate of Webb City High School class of 1934, graduating as Class Orator at the age of 15. Upon graduation, he attended the Joplin School of Law and Commerce where he graduated at the age of 17 in 1936. He was immediately employed by the Webb Corporation as an accountant where he rose through the ranks to his final position of General Sales Manager.

In 1950, he founded Cardinal Scale Manufacturing Company, which today has become the largest independent scale manufacturing company in the world. Under his direction, Cardinal established a full range of digital scales including some of the world's largest railroad track and motor truck scales. Cardinal is one of southwest Missouri's largest employers and is nationally and internationally recognized as a driving force in the scale industry. He served the scale industry as President of the National Scale Man's Association, as well as several terms as Director and one term as President of the Scale Manufacturers Association. He was revered throughout the industry as a progressive force, both here and abroad.

W.H. showed his love for the Webb City community by his unselfish service including Webb City Hall of Fame (First Inductee), Webb City Council (four terms), President, Webb City R-7 School Board, Library Board, Park Board, Water Board, Special Road District, Director, Chamber of Commerce, Genealogy society, Lion's Club, Lion's Club Softball Team, Lion's Club Basketball Team, Treasurer, Jane Chinn Memorial Hospital Board, WebbCity Library Development Foundation, Board of Directors, Commerce Bank and Board of Directors, United Missouri Bank. The service to his community, and entrepreneurship was not only recognized locally but also statewide. Missouri Gov. Matt Blunt ordered flags in Jasper County lowered to half-staff until dusk Tuesday, August 23.

He was very proud of his four volume autobiographical books, "The Weigh It Was" which began as a gift to his family, and is so much in demand that hundreds of copies have been distributed. At the time of his death, he was contemplating volume five.

Survivors included his wife of 67 years, Marion; his children, William H. Perry III., Joplin, Mo., David Perry and his wife, Christi and Rebecca Perry, all of Webb City; his sister, Betty Branch and her husband, Robert of Joshua, Texas. Memorial contributions should be directed to the William H. Perry, Jr. Scholarship Fund, c/o Cardinal Scale Mfg. Co., 203 East Daugherty Street, Webb City, MO 64870.

Editor's Note. Two months after Bill died, his wife, Marion also passed. Again, condolences to the entire Perry and Cardinal family.

Don Onwiler Reports on NCWM and NTEP Issues at Fall Meeting



Don Onwiler, Chairman, National Conference on Weights and Measures, provided an overview of the status of major items of interest regarding the NCWM, the Board of Directors, and NTEP. Some of his points are grouped and summarized below.

- NTEP Certificate applications are steady and strong. There is a temporary backlog of certificate issuance due to the California laboratory's move to a new facility. They are considering bringing on another NTEP authorized state lab for the program.
- They recognize that the OIML labs have faster turn-around times than the NTEP labs. To correct this, they are attempting to elevate the business consciousness of the NTEP labs and they need to inculcate a stronger sense of customer service. These issues will be addressed at the NTEP Laboratory Meeting in the spring of 2006.
- They are seeing a lot of new technologies. The need to understand the new technologies, what to test, and how to test them.
- With regard to the MAA, the NCWM Board feels that there is not a great demand for R-60 testing in the U.S. so they do not consider NTEP lab certification for R-60 a priority. They are inclined to declare the U.S. a B Country with regard to R-60. They would like the U.S. to be an A Country with regard to R-76 but do not have a lab that can be certified in the near term. They are looking for a lab to attain that capability. They are considering three possibilities: 1. Bow out of the MAA (Not a preferred option); 2. Upgrade an existing State Lab; 3. Build a new lab that would be owned and operated by NCWM. Option 3 is the highest risk since the lab would have to be self-sustaining. The question regarding options 2 and 3 is if there will be enough of a workload to guarantee the investment and sustain the lab. The big question is whether it is really important for the U.S. to have an R-76 lab. They would like to hear from industry. They will decide at the board meeting in January
- They recently created a Software Sector, coequal with the Weighing Sector and Measuring Sector. They are concerned that a lot of software has no Certificate of Conformance and that a lot of suppliers do not know that NTEP even exists. Moreover, they are concerned about what software should be evaluated by field inspectors and how they should evaluate that software. Jim Truex is the lead in identifying the initial cadre of sector members. He is looking for people who are actually involved in writing software. Companies interested in controlling their interest in this area are welcome to nominate candidates for membership in this sector. The first meeting of the Software Sector is planned for April 6-7, 2006 in Annapolis, MD.
- The Conformity Assessment program is coming along. Lou Straub, Chair of the Initial Verification Work Group, has developed a pilot program of initial verification for retail computer scales. They are looking for several states to use the checklist when they do initial verifications. They have received no reports to date. The Work Group on Administrative Review of Certificates and will look at how the data on CoCs conforms to Initial Verification Checklist requirements. The Voluntary Conformity Assessment Work Group, chaired by Mark Knowles, believes it has most of the documentation ready. They plan a final review in December and plan to present their work to the NTEP Committee in January.
- To improve the Standards Development Process, they have created Review Committees to help insure that issues that come to a vote at the Annual Meeting have been sufficiently developed before they go to NCWM Committees. Their charter will be to assess proposals and to identify issues that have to go to specialist and work groups for further development. It will be headed by Judy Cardin, a new board member, the Chairs of the NCWM Committees, NIST W&M Advisors, three representatives of the Associate Members Committee (Lou Straub for Weighing, Gordon Johnson for Measuring and Mark Galletta on Commodity Regulatory Issues.) For further information, see the Briefing on Review Committees in the attachments to the SMA Technical Committee Minutes.
- The Professional Development Committee has finally come up with a way ahead in developing curricula for W&M officials. The Regional W&M Associations have taken ownership of different curriculum topics.
 - WWMA: RMD
 - CWMA: Retail Computing Scales
 - SWMA: Vehicle Scales
 - NEWMA: To be determined
- The NCWM is getting back into the Market Survey business. They plan one market survey for 2006.
- The Fair Measurement Standards Act, promoted by Aves Thompson for the last several years, is still alive as a proposal. It needs some support. Aves is planning a senatorial listening session which is designed to outline the proposal and the needs it addresses without requiring a commitment from the senators or their aides. Companies interested in participating should contact Aves. This is an opportunity to air your views on the needs of the U.S. system. (aves_thompson@dot.state.ak.us)

Henry Oppermann Reports on OIML and NIST Issues at Fall Meeting

Henry Oppermann recently retired as Chief of the NIST Office of Weights and Measures around the time of the NCWM Annual Meeting in July.. On the occasion of his retirement, Bob Reinfried presented him with a plaque from SMA in appreciation of his long service to weights and measures, to the industry, and in recognition of his outstanding support of the SMA. In August he and his wife moved to their new home in New Orleans, LA just in time to be forced to evacuate in advance of Hurricane Katrina which flooded the city. Fortunately, the Oppermann residence was not flooded and they were able to return home after some weeks. He has since been retained by NIST to help with the transition to his replacement. In that capacity, he provided an update on NIST and OIML activities. Some of his points are grouped and summarized below.



At the NCWM Annual Meeting, Bob Reinfried presents Henry Oppermann a plaque from SMA in recognition of his retirement from NIST

NIST

" They are advertising for a new chief of the Weights and Measures Division.

They are in the interview process now and expect to have an announcement in early December.

" Elizabeth Gentry, from Oklahoma W&M, will join NIST on Dec. 12 as the metric coordinator and will be working in Ken Butcher's group.

" NIST is collecting information from the States on the accuracy of Stored Vehicle Tare Weights. They believe that many of the errors are greater than the tolerances on the scales.

" The Weights and Measures Benchmark and Needs Survey has been completed but not distributed. Many jurisdictions believe there was bad data collected since the data and formats they asked for was not necessarily the data and formats that the jurisdictions used to collect their individual data. The W&M Division is using the report to develop model criteria for weights and measures programs including standard data collection formats. The first target is motor fuel dispensers.

" They are interested in new wireless technology and are exploring how weights and measures monitoring can be improved via electronic monitoring of the wireless technology going into modern weighing and measuring devices.

" They are interested in facilitating U.S. adoption of the metric system. They are endeavoring to remove barriers for use of the metric system. One approach is to change the Fair Packaging and Labeling Act to allow an option for net quantities to be presented in metric units as well as more unit pricing in metric units. In support of this they have published two guides for use in metric labeling that can be downloaded by cutting and pasting the links below::

- o Consumer Package Labeling Guide: Selling by Weight (SP1020-1 August, 2005)
<http://ts.nist.gov/ts/htdocs/230/235/labeling%20guides%20-%20weight.pdf>
- o Consumer Package Labeling Guide: Selling by Volume (SP1020-2 August, 2005)
<http://ts.nist.gov/ts/htdocs/230/235/SP1020-2labeling%20guides%20-%20volume.pdf>

OIML

" NIST (Steve Cook's group) is working on a master outline that will align U.S. and OIML Standards. Their focus is to understand how manufacturers manufacture their devices and get them to market. An alignment of U.S. and OIML standard is perceived by them as a way to assist manufacturers.

" They have adopted a rigorous and aggressive publication schedule. Handbook 44 for 2006 is already out and they have already completed and posted Pub 16 from the NCWM Annual Meeting that met in July. Both can be downloaded from the OWM Web Site at <http://ts.nist.gov/ts/htdocs/230/235/owmhome.htm>

" Georgia Harris is updating NIST Handbook 105-8: Specifications and Tolerances for Field Standard Weight Carts with a view of trying to keep weight carts available for Class III and III L scales.



SCALE MANUFACTURERS ASSOCIATION

6724 Lone Oak Blvd - Naples, Florida 34109

Tel: 239-514-3441 Fax: 239-514-3470

Web Site: <http://www.scalemanufacturers.org>

SMA Positions 91st NCWM Interim Meeting January, 2006

STANDARDIZATION NOTE

The SMA Technical Committee has adopted the following standardized annotations of its Recommended SMA positions:

- **No Position** – indicates to the NCWM that the SMA chose not to voice a position on the issue.
- **No Comment** – An internal indicator to the SMA Membership that the SMATC looked at an issue and does not feel it will impact SMA members.

310 General Code

310-1 G-S.1. (d) Identification; Software for Not-Built-for-Purpose Devices

The SMA supports this item with the following comments.

1. We feel the use of the word “designation” is redundant.
2. We also suggest the word “revision” be accepted as an alternative to the word “version”.

Discussion:

The SMA continues to oppose the distinction between built for purpose and not built for purpose devices and recommends this issue be a priority for the Software Sector.

310-2 G-S.1.1. Location of Marking Information for Not Built-For-Purpose Software-Based Devices

The SMA supports this item but recommends that G-S.1.1.(b) be eliminated as it is included in G-S.1.1.(c).

Discussion:

The SMA continues to oppose the distinction between built for purpose and not built for purpose devices and recommends this issue be a priority for the Software Sector. We also feel this is an example of a specification that is appropriate for built for purpose devices.

310-3 G-S.8.1. Multiple Weighing or Measuring Elements with a Single Provision for Sealing

The SMA opposes this item.

Rationale:

The original item was intended for codes dealing only with measuring devices (codes 3.31 thru 3.38). This requirement should not be in the general code as it is not appropriate for all device types.

310-4 G-T.1.(e) Acceptance Tolerances

The SMA makes no comment on this item.

320 Scale Code

320-1 S.1.1. (c) Zero Indication; Requirements for Markings or Indications for Other than Digital Zero Indications

The SMA opposes this item.

Rationale:

The current process, as allowed by S.1.1.(c). is sufficient to prevent facilitation of fraud. The SMA supports the Weighing Sector analysis.

320-2 S.1.4.6. Height and Definition of Minimum Reading Distance, UR.2.10. Primary Indicating Elements Provided by User, UR.2.11. Minimum Reading Distance, and Definitions of Minimum Reading Distance and Primary Indications.

The SMA opposes this item.

Rationale:

The SMA can not support a reading distance requirement as we believe that this is unenforceable.

320-3 N.1.3.1. Bench or Counter Scales, N.1.3.8. All Other Scales Except Crane Scales, Hanging Scales, Hopper Scales, Wheel - Load Weighers, and Portable Axle - Load Weighers, and Appendix D; Definitions of Bench Scale and Counter Scale.

The SMA supports this item.

320-4 Table 4 Minimum Test Weights and Test Loads

SMA feels it is necessary to identify minimum test weights and test load requirements for higher capacity scales and suggests:

1. Adding a fifth row to Table 4 that identifies a minimum test weight requirement of 30,000 kg (62,500 lb) and a minimum test load of 25% of device capacity for scales with capacities of 250,001 kg (500,000 lb) or higher.
2. With the above change, the SMA suggests the removal of the words “(greater of)” from the title of the second column. These words are not relevant to the current wording, in column 2, for scales with a capacity of 0 to 150 kg (0 to 300 lb) and would not be relevant for the suggested addition.

Below is a visual representation of these suggestions.

Table 4. Minimum Test Weights and Test Loads¹			
Device capacity	Minimums (in terms of device capacity)		(where practicable)
	Test weights (greater of)	Test loads ²	
250,001 kg (500,001 lb) +	30,000 kg (62,500 lb)	25 %	Test weights to dial face capacity, 1 000 d, or test load to used capacity, if greater than minimums specified During initial verification, a scale should be tested to capacity.

320-5 Table 6 Maintenance Tolerances

SMA opposes this item.

320-6 T.N.4.5.1. Time Dependence; Class II, III, and IIII Non-automatic Weighing Instruments

The SMA supports this item.

The SMA suggests the replacement of the (,) with a period and also suggests that the word “only” be added to the end of the sentence.

Example:

...test conditions. During type evaluation, this test shall be conducted at 20° C only.

320-7 T.N.4.6. (b) Apportionment Factors, Table T.N.4.6. Maximum Permissible Error (mpe)* for Load Cells During Type Evaluation, T.N.4.7. Creep Recovery for Load Cells During Type Evaluation, and Appendix D; Definitions of D_{min} and E_{min}

The SMA supports this item.

320-8 UR.1.6. Computing Scale Interfaced to a Cash Register

The SMA supports this item provided paragraphs (a) thru (d) are removed.

Rationale:

Paragraphs (a) thru (d) impose application restrictions.

320-9 UR.2.6.1. Vehicle Scales; Approaches

The SMA supports this item.

320-10 UR.3.7. Minimum Load on a Vehicle Scale

The SMA has no position on this item.

320-11 List of International Symbols Noted as Acceptable

The SMA supports this item provided:

1. The description is changed to “List of Common International Symbols”
2. The Symbols themselves are cleaned up and made consistent in size and font.
3. Remove “Not Acceptable” column and “Device Application” column.
4. Change column head “Term” to Function, and column head “Acceptable” to Symbol.
5. Add note stating that there are other approved common symbols that are not included in this list.

360 Other Items

360-2 Appendix A - Fundamental Considerations 11 Health and Safety During Inspection

The SMA has no comment on this item.

360-3 Add International Terms that are Synonyms to NIST Handbook 44 Terms to Appendix D; Definitions

The SMA recommends that this item be removed from the S&T agenda and resources be used for issues more important

to international acceptance.

360-4 Developing Issues

Part 2, Item 1 Scales: S.2.1.7. Tare Rounding on a Multiple Range Scale

The SMA recommends that this item be forwarded to a work group for resolution.

Rationale:

This item impacts fundamental issues related to the operation of tare.

Part 4, Item 1 Automatic Weighing Systems: Temperature Limits Scale

The SMA recommends that the NTEP Laboratories be consistent in the environmental testing parameters and therefore the maximum temperature test range should remain -10° to 40° C.

END OF DOCUMENT

SMA MEMBER COMPANIES

A&D Engineering, Inc.
Avery Weigh-Tronix, Inc.
Cardinal Scale Mfg. Company
Doran Scales, Inc.
Fairbanks Scales
Flintec, Inc.
Hobart Corporation
Hottinger Baldwin Measurements

LTS Scale Corporation
McKesson Automation Systems
Mettler-Toledo, Inc.
NCR
Rice Lake Weighing
Sartorius Corporation
Systems Associates, Inc.
Vishay Transducers