1) Call to Order
   a) Introductions
   b) Roll call & quorum confirmation – 14 Members attending  2 Absent
      - Michael Corbat
      - Kathleen Owen
      - Todd McGrath
      - Keith Chesson
      - K.J. Choi
      - David Christopher
      - Chris Fischer
      - Leslye Sandberg
      - Donna Sullivan
      - Tom Justice - Absent
      - Paolo Tronville
      - NAFA Rep (Tim Lott)
      - John Zhang
      - Dara Fedderson - Absent
      - Bob Burkhead
      - Sanjeev Hingorani
      - **14 Present, 2 Absent of 16**

2) Review of Code of Ethics – **Mike C to add to minutes**

3) Review of Agenda
Meeting Minutes
ASHRAE SSPC 52.2

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4) Review of St Louis 2016 minutes
5) Vote to approve Minutes St Louis 2016 – Moved by Keith Chesson, Seconded by Sanjeev Hingorani : (13, 0, 1, 2, 16) Approved
6) Review of letter Ballot for Addendum H
   a) Letter Ballot Addend H - Stating MERV 14 E1x, E2x, E3x
   b) “The MERV classification and related labeling usage for all MERV classes shall include the minimum threshold for PSE ranges E1, E2 and E3”
   c) Vote did not pass (6, 8, 0, 2, 16)

7) Chair’s Remarks
   a) Roster Planning
      (1) Lesly Sandberg has volunteered for Secretary
   b) Republication for 2017
      (1) It has been published for 2017
      (2) Addend A-G and I
      (3) Eliminates parts of E1
   c) ISO 16890
      (1) Officially a standard
      (2)

8) Liaison Report
   a) Standards – Larry Markel - lawrence.markel@csra.com
      1. None
   b) SSPC 62.2 – Ian Walker – Not present
      1. None

9) Interpretation Request
   a) Request - “The final static pressure must be at least twice the initial static pressure.” Is that correct?
   b) Reply - “Yes, unless the filter hits less than 85% of its max arrestance and the test is terminated.”
   c) Motion Kathleen Owen, Second Lesly Sandberg
   d) (14, 0, 0, 2, 16) - Approved
   e) Mike will add a comment
10) Task Group Review Vijay’s idea
   a) Is the PM mass based and if so how different than 16890
   b) Vijay’s Replies
      (1) Use the current system of 52.2 and incorporate the statutory elements of the PM inlets.
      (2) You will get the size cuts by the statute, PM10, PM 2.5. Don't have PM1 but know how to do it based off the other sizes.
      (3) Measured values are true PM
      (4) If the aerosol changes size distributions you will get different results
      (5) We need to fix the aerosol - Define the distribution
      (6) Reference made about MIL-STD 282
      (7) A standard sets a value of 90% of the mass of the aerosol between 2 values.
   c) PM mass vs PM aerosol
      (1) Since aerosol is know it won’t matter between count and converting it to mass
   d) How will different PM inlets differ performance?
      (1) They should not as they should be made to a specification and perform the same.
   e) If mass based, distribution is still a lab based test
      (1) Yes it is a lab based test

General Room Comments
Concern of the challenge aerosol distribution to be uniform. 16890 takes out the aerosol distribution by using a “known” rural and urban distributions.
Can we make the cut points of the inlets and apply to efficiency mathematically? Can do for spherical but not for other sizes.
Inlets would get PMS of just that lab aerosol.
If it were possible to set the distribution in a duct would it work? Some say very hard to do, some said it is possible.
Some room concern about real time mass measurements and how long it would take to get good counts.
Mike Corbat
Straw Pole of the room - What to do with this?
Send to Standards and write a standard - 0
Send to research - 39
Not move forward - 5
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11) Chamber Test – Bob Burkhead
   a) Bob - Test that recirculates the 52.2 Test duct air into a Chamber to evaluate IAQ in Chamber.
   b) Blend of a CADR Test
   c) Bob is doing self-evaluation currently and testing
   d) Looking to have something at Long Beach for possible RP
   e) End result goal is a Tool for 62.2 plus more

12) Task Group Reports and Discussions
   a) TG for Air Density calculation - Monroe Britt
      1. More work to be done – Open Action Item
   b) Recommendation - Do we want to make an appendix that defines the options? Define Initial and other things. Task Group on what to do - Bob Burkhead, Phi Winters, Keith Chesson, Kathleen Owen, Christine Sun, Rahul Bharadwaj, Zied Dries, Donna Sullivan, Mike Corbat
      1. Task will be dropped

13) Open Action Items
   a) MERV –NC Trademark – Mike and Barney
      1. Mike Corbat will follow up on it (Post meeting note, Barney communicated to ASHRAE and requires no more action from SSPC 52.2)
   b) EAC List of Contacts – Eric Brodsky
      1. Eric is going to follow up on the list.
   c) Letter ballot regarding air density equation - Mike
      1. Mike Corbat will be re-work and send out

14) New Business
   a) Open Letter to Committee Submitted and sent to VM after meeting
   b) Examples in the standard may need to be updated to reflect updated table
   c) Al Vatine - Need to look at particle drying method.
      1. Mike Corbat - Get that info to correct PES
   d) Eric B - Is there a way to correlate the test to various sizes of filters.
      1. Yes, for face dims but variations in depth and media sq ft No.
   e) Thad P - Evaluate pressure drop reading with instrumentation
      (1) Issues with condition
      (2) RR that shows more of the current variability of inter and intra lab reports.
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(3) Thad Ptak volunteered to help with RR in 52.2 Research

f) EN-779 in Netherlands and Britain has been replaced by ISO 16890

15) Adjourn Motion  Bob Burkhead, Todd McGrath Second 10:00

16) Stay for SSPC 52.2 Research
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Appendix: Attendees (72)

<table>
<thead>
<tr>
<th>Name</th>
<th>Company</th>
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<tr>
<td>Todd McGrath</td>
<td>Glasfloss</td>
<td>Mike Corbat</td>
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<td>Don Thornburg</td>
<td>Camfil</td>
<td>Stephen Nicholas</td>
<td>Air Industries</td>
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<td>Living Life</td>
<td>Kathleen Owen</td>
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<td>Keith Chesson</td>
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<td>Duncan Phyfe</td>
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<td>Geoff Crosby</td>
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<td>Matt Middlebrooks</td>
<td>Filtration Group</td>
<td>John Copiey</td>
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<td>Donaldson</td>
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<td>Barney Burroughs</td>
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<td>Tandee Chadha</td>
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<td>Peter McKinney</td>
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