



SPC 217
**Non-Emergency Ventilation in Enclosed
Road, Rail and Mass Transit Facilities**

MINUTES

Meeting
January 27, 2015

These draft minutes are not the official minutes until approved by this committee.

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1. Call to Order and Introductions

Call to Order

The Chair, Igor Maevski, called the meeting to order on Tuesday, January 27, 2015 at 10:00 a.m. CST.

Introductions

The Chair greeted members and guests. Introductions were made.

Voting Members

Igor Maevski, *Chair* (IM)
Kevin Chang, *Vice Chair* (KC)
David Newman, *Secretary* (DN)
Mark Colino (MC)
Robert Smith (RS)
Ahmad Kashef (AK)
Bill Lampkin (BL)

Non-Voting Members

Yuan Li, *Webmaster* (YL)

Guests

James Earley (JE)
Jim McCarron (JMc)
Andrew Rhodes (AR)
Elias Papadopoulos (EP)

Voting Members Absent

Josiah Wiley (JW)

Non-Voting Members

Absent

Yunlong (Jason) Liu (JL)

Provisional Members

Absent

Jane Miller (JM)

2. Chairman's Report

1. IM reviewed the 'mission statement' submitted by Sean Cassady after the 12/22/14 conference call and indicated that this language may be added to the existing SPC 217 statement of purpose.
2. IM reviewed the ASHRAE Guide to Writing Standards in Mandatory Language, and ASHRAE Guide to Writing Standards in Code-Intended Language documents with the SPC Committee members. The importance of adhering to these guidelines in developing the Standard sections was stressed; the challenges of doing so were also recognized.
3. The Handbook will need to be back-checked against the Standard once prepared. References to the new Standard will need to be added.
4. A dedicated SPC 217 website is in the process of being established by YL. Access to this will be via ***spc217.ashraeecs.org***. All SPC 217 agenda, minutes, and working documents will be maintained on this site. A link to this site will be added on the TC5.9 website. YL will confirm when the site goes live.
5. IM re-iterated his desire to complete the first draft of the Standard within 2 years.
6. IM suggested that reference be made to ASHRAE 62.1 and 1.5 but noted that the later was a guideline and any reference within the standard should be to another standard unless it is included in the annex information or through informative notes.

3. Approval of Prior Meeting Minutes

The minutes of the prior meeting were approved without further comment.

4. Review of Chapter Outlines

Draft chapter outlines were distributed at the meeting and presented by their respective Subcommittee chairs. The following discussion took place:

Chapter 3 – Road Tunnels

Group A - Igor Maevski

1. Using air quality criteria as an example IM pointed out the problem of developing an international standard when different countries have different guidelines. AK recommended that the standard not prescribe values in these cases but rely on local guidelines and standards to govern. DN commented that this would detract from the purpose of the standard – to establish specific numbers to design to. DN recommended that the basis be US/NA values with language allowing local guidelines/standards to be adopted in other countries.
2. IM asked whether anyone knew of road tunnels where temperature control had been implemented. DN agreed to enquire within HMM.

Chapter 4 – Railway Tunnels

Group B - David Newman

3. DN presented an outline updated from 12/22/14 which followed the general arrangement developed by MC and reiterated that the scope included both mainline and freight rail tunnels.

Chapters 5 & 6 – Mass Transit Tunnel and Station

Group C - Mark Colino

4. MC stated that it was not possible to establish noise criteria for the car as this is dependent on car construction, track fixation type and other parameter over which the Standard has no control. It was agreed that noise resulting from ventilation equipment operation should be addressed. IM asked about criteria for testing and MC noted that an “ambient + X” criterion could be used. JMC pointed out that tunnel length was also a factor to consider.

Chapter 7 – System, Equipment and Components

Group D - Josiah Wiley (Presented by Robert Smith)

5. RS presented an outline he had developed on behalf of JW.
6. IM questioned whether energy efficiency standards should be referenced/addressed. RS clarified that tunnel ventilation equipment did not generally meet HVAC industry efficiency standards.
7. DN stated that chapter should focus on equipment and leave discussion on ventilation system configurations to the tunnel/facility specific chapters, i.e. semi-transverse ventilation addressed in Chapter 3, under-platform exhaust addressed in Chapter 6 etc. DN acknowledged discussion on system configurations would still be a challenge in light of ASHRAE Mandatory Language guidelines.
8. IM made a general comment that agency specific standards would hopefully start to align with the new Standard once published.

Chapter 8 – Construction, Testing and Commissioning

Group E – Bill Lampkin

9. KC made comment that testing had been added to the title. BL will update outline.
10. EP stated that commissioning requirements should address individual equipment testing as a precursor to system testing
11. BL clarified that, with respect to ‘construction’, scope of chapter relates to construction of equipment only (delivery, storage etc.) and does not address aspects of construction already covered by OSHA.
12. DN recommend consideration be given to including a flow-chart to clarify the commissioning process steps. This would include factory acceptance testing, site testing, end-to-end testing etc.
13. Consider referencing ASHRAE Standard 202 when discussing commissioning – there is no need to ‘re-invent the wheel’.

Chapter 9 – Operations and Maintenance

Group F – Kevin Chang

14. AR questioned whether ASHRAE already has a standard for O&M. This will be investigated.
15. IM restated that chapter should reference appropriate standards from FHWA (Highway and Rail Transit Tunnel Inspection Manual and the Maintenance and Rehabilitation Manual etc.). KC request these and other relevant documents be provided as part of a centralized reference library for the committee.

5. Next Steps

1. Each working group shall start work developing narratives for their respective chapters.
2. Next meetings will be conference calls in late March and late May. Draft narratives to be circulated for internal committee review prior to Atlanta meeting. Dates to be confirmed by IM.
3. IM questioned committee on preferred day/time slot for Atlanta. The consensus was for Tuesday morning again, but with an additional hour allocated (9 am to noon).

6. Adjournment

The Chair adjourned the meeting at 12:30 pm CST.

ATTACHMENTS



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