

SECTION 305 TECH SUB COMM

MINUTES

MARCH 12, 2015 3:00PM EASTERN

CONFERENCE CALL

FACILITATOR	<i>Mario Bergeron, Chair, NGENC Technical Subcommittee</i>
ATTENDEES	Core Team Members: Mario Bergeron, Allan Paul, Sharon Beasley for Stan Hunter, John Madden, Marci Petterson, Jennifer Bastian, Phillip Meraz, Troy Hughes, Sal DeAngelo for Jeff Gordon, Jeff Schultz, Melissa Shurland, Steve Hewitt, Michael Burshtin, Jay Gilfillan, Art Peterson, Nico Lindenau, Michael Coltman, Larry Salci Industry Members: Bill Slater, Paul Jamieson, Dave Warner, Al Bieber, Chuck Wochele, Adam Drufke, Tom Sisler, Lew Hoens, Tom Hunt, James Michel, Kevin Myles, Steve Morrison
ABSENTEES	<i>Stan Hunter, Vincent Brotski, Jason Biggs, Dale Engelhardt, Jeff Gordon, Andrew Wood, Jonathan Hines, Charles Poltenson, Devin Rouse, Anand Prabhakaran, Charles Bielitz, Patricia Llana, Brian Marquis, Shayne Gill</i>

DISCUSSION/DECISIONS MADE

1.

Mario Bergeron, Amtrak, called today's meeting to order and asked Steve Hewitt to call the roll.

After calling the roll, Steve confirmed the presence of a quorum.

As always, industry participants are asked to email a notification of their attendance to Steve Hewitt at shewitt109@aol.com

2.

Review of the Meeting Agenda – Mario Bergeron:

Mario Bergeron provided a brief overview of today's meeting agenda.

3.

Review of Action Items that are not on the agenda – Steve Hewitt:

Steve Hewitt reviewed the open action items, providing a brief update on only those items that were not to be specifically covered on the agenda:

Maintaining Industry Participation List: Status: Steve reported that this remains an ongoing action item. There are currently **238** registered industry participants.

Requesting Backgrounder educational document: With the changes to the NGENC organizational structure at the October 24th Fall Meeting, the Backgrounder was in need of updating. This has been done and a new version was printed and distributed to all NGENC Annual Meeting attendees. The new Backgrounder is now available upon request. Please contact Steve Hewitt at shewitt109@aol.com if you want to receive Backgrounders. Provide the quantity requested and an address for sending them to.

Updating ECP Standards: This is an ongoing item which the Technical subcommittee is tracking – it is anticipated that status updates will take place on every other call.

Paul Jamieson provided the following update for inclusion in today's minutes:

"The four cars operating in emulation operations have an average mileage of 81,000 miles and have completed two inspection periods. Two failures have occurred to date. A control portion experienced debris as a result of the installation (not an equipment failure) and a battery failure due to layup in the yard (issue will be addressed in the performance specification).

The safety analysis has been completed and the final report submitted to the FRA Office of Research and Development. The final report was discussed with the FRA on the February 25 meeting held with the APTA ECP working group. This analysis will be used as the performance specifications are updated.

The performance standard will be distributed for the full mechanical group committee review in April 2016. Five additional standards will be developed to support the product applications. The standards will include an approval

process for the introduction of the ECP product.

The full ECP train test is scheduled to occur in the summer of 2016. Prior to that test, a cab car conversion, equipment application to the Amtrak ASC64 locomotive, a full integration test between the two suppliers and ECP software update to the existing cars must be completed.

An FRA test waiver process will be started in April 2015 to support the test program. A test committee will be established to handle the test program coordination with the FRA. More details will be provided in later reports."

4. Approval of the Minutes of the February 12, 2015 Technical subcommittee conference call – Mario Bergeron:

On a motion by Jack Madden, NYSDOT, and a second by Allan Paul, NCDOT, the Minutes from the February 12, 2015 Technical subcommittee call were approved without objection.

5. Summary: NGEC Annual Meeting - Mario Bergeron/Steve Hewitt:

- The 5th Annual Meeting of the NGEC was held on February 20, 2015 in Washington, DC. There were approximately 65 attendees with good representation from the industry as well as states, FRA and Amtrak.
- During the meeting, a Chairman's report was provided by Eric Curtit, summarizing the past year's activities and each Subcommittee chair also provided an annual update.
- Subcommittee presentations included: The Technical Subcommittee – Mario Bergeron, Chair; Finance and Administrative Subcommittee – Darrell Smith; the 514 Subcommittee – Ron Pate. Updates reports were also provided by Paul Nissenbaum, FRA; Joe McHugh, Amtrak Government Affairs; and Melissa Shurland, FRA, who provided an update on RVAAC.
- The attendees also heard procurement status reports from the manufacturers – Nippon Sharyo and Sumitomo for the bi-level cars; and Siemens for the Diesel-electric locomotives.
- Darrell Smith, NGEC Treasurer, gave the he NGEC Treasurer's Report which was formally accepted, by the Executive Board, as submitted.
- Darrell Smith, at the Board's request, also presented a revised Statement of Work and Budget for a no-cost grant agreement extension for the NGEC through 9-30-17. The revised SOW, as proposed, was approved unanimously by the Board. The resulting action: Darrell Smith will submit the SOW to the Amtrak Grants office. They will work with FRA grants people to get it finalized and executed. Darrell will keep the Board apprised as this effort progresses.
- It was agreed that members of the Board will submit suggestions for naming the bi-level cars and including the name on the safety seat card. Suggestions were to be sent to Steve Hewitt by COB March 11, 2015 for Board discussion on March 17, 2015. Steve Hewitt also reached out to Stan Hunter to better clarify/frame the request.
- A letter from the NGEC State Board members to FRA, and to the House and Senate, requesting funding for the NGEC similar to that provided to other USDOT modes for establishing equipment standards, was approved by the NGEC State members and signed by Board Chairman Eric Curtit. It will now be sent out by the Chair on behalf of the State members of the NGEC.
- A discussion on potential future funding options took place, as did a discussion on potential structure changes that may be necessary if a revenue funding stream is established. The Finance and Administrative Subcommittee (FASC) was tasked with looking into the question of the NGEC's ability to accept money and participate in the receipt of costs.
- The FASC is already tasked with coming up with recommendations for future funding options by October, 2015.
- All PowerPoint presentations from the Annual Meeting were sent out to the NGEC email list and are also available on the website.

6.

Accessibility Working Group/RVAAC related issues update - Melissa Shurland:

Melissa Shurland reported on the full RVAAC meeting which took place on February 26 and 27, 2015 at the Access Board.

At the meeting the RVAAC subcommittees gave presentations on their reports to the full Committee. All but one subcommittee has submitted a final report. The Communications subcommittee report is not yet final, but expects to be completed by late March or April, 2015.

The meetings were held over a two day period in order to give the subcommittees an opportunity to present their reports and to get feedback from the full committee and the public.

Caltrans provided a presentation on the accessibility features of the bi-level cars and it was very well received.

The intent is to have the full RVAAC report with recommendations submitted to the Access Board by July 15, 2015.

7.

Document Control update - Steve Hewitt for Tammy Krause:

In the absence of Tammy Krause, Steve Hewitt reported that Tammy had advised him that she will have an update on a number of activities that are underway, on the next call – March 26, 2015.

Larry Salci added, as an FYI, that Caltrans has sent a letter to Tammy Krause with regard to weight changes to be considered. Tammy has advised Caltrans of the DCR process and gave guidance to Sharon Beasley with regard to the on line form to be submitted. Sharon Beasley has followed that guidance and has or will submit the formal change request.

8.

Progress Report: Dual Mode Locomotive (DC 3rd Rail) spec development - Jack Madden:

Jack Madden, NYSDOT, submitted the following progress report for inclusion in today's minutes:

"Since the last Technical Subcommittee call on 2/12, each of the five Teams on the Locomotive Working Group has met two or three times and the Locomotive Working Group as a whole has met twice. There are now 36 members on the Locomotive WG. The next Loco WG conference call will be 10am, Friday 3/27.

Two of the Teams have completed 8 chapters total, and we have circulated them among all the Locomotive Working Group members for review and comment by 3/26. The Teams continue to work on the other chapters towards completion so they can be circulated among all the Loco WG members for comment as well.

The Loco WG has added a new Chapter 26, tentatively titled "Monitoring and Diagnostics" which benefits from the on-board and remote diagnostics which Siemens is including in the IDOT locomotive.

The Loco WG's scheduled date for completion of final drafts of all the Chapters and submission to AMTRAK for collation and formatting into a single document for subsequent TSC review is 4/2. Although we may yet make that date, I anticipate that an additional two weeks may be required to complete all the chapters, thus the new date for submission to AMTK will be 4/16.

Mr. Chairman, pending questions, that concludes my report."

Mario Bergeron thanked Jack for his leadership on this effort, and noted that it seems that there is a lot of work being done.

Jack complimented the team of volunteers who are participating on the Locomotive Working Group for their hard work.

Mario asked if the two week delay in submission to Amtrak for coalition and formatting means the overall schedule is two weeks behind. Jack said yes, but it is very possible that "we still may make the original April 2nd date."

9.

Update: Procurements:

- a. Diesel-electric locomotive - Jennifer Bastian:

The following update was provided for inclusion in today's minutes:

- "a) Follow-up action items are closed for IDR. The invoice for milestone 'C' for IDR is anticipated.*
- b) Week #2 for Final Design review (FDR), in Seattle, was held March 2-6, covering carbody structural design, trucks and diesel engine. Week #3 (week of March 16) will cover the last of locomotive systems, Safety and hazards analysis, reliability and maintainability.*
- c) The FDR process is projected to generate about a total of 70 RFCs (request for clarification). From these, possibly a few more document change requests (DCRs) may be generated.*
- d) At present, nine draft DCRs are being processed (including DCR for the 340 wheel profile). Rich Stegner has contacted Tammy Krause, to coordinate.*
- e) Amtrak has reconfirmed that the APTA 340 profile, per APTA document PR-M-S-015-06 (figure B.8) is to be used for the wheel profile for simulations and vehicle qualification.*
- f) The locomotive weight is holding steady at 270,000 lbs (+/-) and the calculated P2 force is within specified limits."*

Mario Bergeron asked Jennifer – "how are we progressing – are we on schedule?"

Jennifer responded "for engineering, we are 2 months ahead of schedule."

- b. Bi-level Cars - Sharon Beasley for Stan Hunter:

Sharon Beasley reported that they have received a new master schedule which is under review by the procurement team and is expected to be approved.

Final Design Review (FDR) should be completed/approved by April, 2015. There are 267 action items that remain open at this point.

8 First Article Inspections (FAI's) have been completed – and they are on schedule with the other FAI's.

Sharon reported that she has completed the on line DCR form on the weight changes (as noted earlier) in accordance with the NGEC process.

They have changed the wheel profile from 140 to 340 as Hs been discussed on previous calls.

4 car shells and under frames are completed – which Sharon termed as "also good news."

Mario Bergeron asked Sharon about the schedule timeline. He noted that it was reported at the Annual Meeting that there had been some challenges which had delayed the schedule by about 6 months. – "is that holding so far?"

Sharon responded "I believe so." She added that the new master schedule has "a lot of recovery in it...so we should be on that schedule or sooner."

10.

Progress report: Diesel Exhaust Fluid (DEF) / UREA Working Group - Jennifer Bastian:

Mario Bergeron began the discussion by thanking Jennifer Bastian for agreeing to take on the leadership of the DEF Working Group. He noted that IDOT's lead role in the procurement lends itself to being the right state to lead the DEF effort as well. He commented on the fact that the Working Group has a "variety of experts who have volunteered for the Working Group" and he called this willingness to participate "quite impressive." Mario also noted "we have added two additional Amtrak officers – Jonathan Hines and Jay Gilfillan –to the group along with Dale Engelhardt, who was already a member."

Jennifer reported that the group was very much at the "starting point".

There are currently a total of 14 members on the Working Group.

The "kick off" meeting will take place on March 23, 2015. This meeting will provide an opportunity for member

introductions; will begin the process of building an agenda; and assigning tasks.

Jennifer expects to have quite a bit more to report to the Technical Subcommittee next month as the work gets underway.

Adjourn: At approximately 3:44PM Eastern, Mario Bergeron adjourned today's Technical Subcommittee conference call meeting.

Next Call: March 26, 2015 – 3:00pm Eastern

Decisions and Action Items

RVAAC: The RVAAC met as a full committee on February 26-27 at the Access Board Head Quarters to review the 4 subcommittee guidance documents. The intent is to have the full RVAAC report with recommendations submitted to the Access Board by July 15, 2015.

Updating ECP Standards: remains as a standing action item and as activities occur; Paul Jamieson will provide status updates to the subcommittee. (Ongoing)

Today's update:

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Maintaining Industry Participation List: This remains an ongoing action item. There are currently **238** registered industry participants. (ongoing)

Backgrounder educational document: With the changes to the NGEC organizational structure at the October 24th Fall Meeting, the Backgrounder was in need of updating. This has been done and a new version was printed and distributed to all NGEC Annual Meeting attendees. The new Backgrounder is now available upon request. Please contact Steve Hewitt at shewitt109@aol.com if you want to receive Backgrounders. Provide the quantity requested and an address for sending them to.

Steve Hewitt agreed to provide PDF copies, via email, to the NGEC participants list with an offer to send hard copies upon request.

DEF Working Group: Updates on the DEF Working Group activities will be a Technical subcommittee bi-weekly call standing agenda item.

The Working Group will hold its "kick off" meeting on March 23, 2015. This meeting will provide an opportunity for member introductions; will begin the process of building an agenda; and assigning tasks.

ATTACHMENTS

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PRIIA Section 305 Tech Sub Committee Meeting

March 12, 2015

The agenda for the meeting is below:

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|---|-----------------------------|
| 1. Roll Call | Steve Hewitt |
| 2. Review meeting agenda | Mario Bergeron |
| 3. Review Action Items | Steve Hewitt |
| 4. Approve Minutes of February 12, 2015 | Mario Bergeron |
| 5. Summary: NGEC Annual Meeting | Mario Bergeron/Steve Hewitt |
| 6. Accessibility Working Group/RVAAC related issues update | Melissa Shurland |
| 7. Document Control update | Steve Hewitt |
| 8. Progress Report: Dual Mode Locomotive (DC 3 rd Rail) spec development | Jack Madden |
| 9. Update: Procurements | |

- c. Diesel-electric locomotive
 - d. Bi-level Cars
10. Progress report: Diesel Exhaust Fluid (DEF) / UREA Working Group
11. Review this meeting:
- a) Decisions
 - b) New Action Items

Jennifer Bastian
Sharon Beasley

Jennifer Bastian

Steve Hewitt

***Technical Sub Committee Conference Call Meeting:
Thursday March 12, 2015 / 3:00 Eastern / 1-866-209-1307 / passcode 6486648#***

***Please call in a few minutes early so all is in attendance for Roll Call.
Thank you***

Next Call – 3-26-15 at 3:00pm Eastern