

SECTION 305 TECH SUB COMM

MINUTES

NOVEMBER 3,
2016

3:00PM EASTERN

CONFERENCE CALL

FACILITATOR	<i>Mario Bergeron, Chair, NGENC Technical Subcommittee</i>
ATTENDEES	Core Team Members: Mario Bergeron, Jeff Gordon, Allan Paul, Momo Tamaoki, Charlie Poltenson, Marci Petterson, Jennifer Bastian, Jennifer also as proxy for Jason Biggs, Phil Meraz, Troy Hughes, Michael Burshtin, Jeff Schultz, Art Peterson, Melissa Shurland, Dave "Emeritus" Warner, Steve Hewitt, Industry Members: Joe Diliello, Paul Jamieson, Pat Sheeran, Jack Madden, Dick Bruss, Al Bieber, Tom LaMano, Joe Kenas, Tom Hunt, Martin Bloedt, Rich Stegner, James Michel, Kevin Myles
ABSENTEES	<i>Jason Biggs, Dale Engelhardt, Troy Hughes, Tammy Krause, Vincent Brotski, Andrew Wood, Jay Gilfillan, Jonathan Hines, Devin Rouse, Anand Prabhakaran, Charles Bielitz, Nico Lindenau, Sal DeAngelo, Michael Coltman, Brian Marquis, Larry Salci, Shayne Gill</i>

DISCUSSION/DECISIONS MADE

1.

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

After calling the roll, it was determined that a quorum had been established.

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: There are currently **261** registered industry participants.

Requesting Backgrounder educational document: The NGENC Executive Board approved for publication, the new educational/outreach document on 10-25-16. Steve Hewitt has requested AASHTO to print an initial 300 copies of the document. An electronic version has been sent to all NGENC members. As soon as hard copies have been printed, subcommittee members (core team and industry) who would like a hard copy (copies) should contact Steve at shewitt109@aol.com with the number requested and an address to send them to.

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

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

PRESS ECP Project

Locomotive, cab car and coach car ECP commissioning has been successfully completed. Static train testing was successfully completed on Wednesday, November 2, 2016. The Test Committee met at 1 PM today and approved to proceed to dynamic testing. Dynamic testing is scheduled to start on Friday night, November 4, 2016. Dynamic testing should be completed by Tuesday night, November 8, 2016 or sooner depending on weather and track availability.

The test train has been in emulation service for the past two years. The emulation performance as recorded prior to being placed in service and that recorded as part of this static commissioning procedure has demonstrated the same performance. The ECP testing performed during the interoperability test and static train testing is identical. Therefore, the test committee agreed to move forward with the dynamic testing phase.

Following the update, Chairman Bergeron thanked Paul Jamieson and noted that he was "pleased with the report". Paul expressed his appreciation for Amtrak's efforts on this project as well.

AWG Update: On July 20th, the AWG met to discuss the draft final review of the accessible seating and restroom layouts. The feedback received were net positive. The next step is for Oregon State University to finalize the draft report for submittal to the TSC for review and comments.

OSU reached out to service providers in Alaska and Canada that operate rail equipment with "elevators". This was in response to some of the recommendations currently in the RVAAC report for elevators to move passengers to upper level. They were able to get feedback on the systems. Take aways from those discussions are below and will be in the report. (see above)

Status: The final report is still being completed and should be ready for distribution to the Accessibility Working Group and the Technical subcommittee members for review and discussion within the next two weeks. Chairman Bergeron requested that Melissa Shurland provide a summary presentation to subcommittee members on the call following distribution of the report. Melissa agreed, and Steve Hewitt will put it on the agenda for the subcommittee call following its distribution (provided there is a week or so between the distribution and the presentation. The report will also be added to the Annual Meeting DRAFT agenda.

TRB invite to the NGEC Technical subcommittee to participate on a panel session at the TRB Annual Meeting:

The Executive Board, on 9-20-16, agreed this would be a good opportunity and asked Jack Madden to work with Technical subcommittee chair Mario Bergeron to determine who would be the appropriate subcommittee representative to participate on the panel session. On today's (9-22-16) call, Dale Engelhardt stated that a decision on who will represent the subcommittee on the panel at TRB is yet to be decided, but it will likely be Dale or Tammy Krause.

Status as of 10-6-16: TRB has requested the name of the Technical subcommittee representative for the panel. Mario Bergeron asked Jack Madden to contact TRB to confirm the date of the session, and to let him know, so that schedules can be checked and a representative from the Subcommittee can be named for the session.

Status 11-3-16: Jack Madden provided the following information:

The date, time and location for the PRIIA Technical Session at the TRB 2017 Annual Meeting has been set.

Session Number: 545

Title: PRIIA Equipment Specifications: Lessons Learned in First Use for Construction of Locomotives and Cars

Day and Date: Tuesday, 1/10/2017

Time: 8:00 AM - 9:45 AM

Location: Room 143A Convention Center

Please let me know which of the three of you will represent the Next Generation Equipment Committee and make the NGEC Presentation at the Session. I will then provide that info to TRB's Scott Babcock for the Annual Meeting program. Scott will insure that TRB will send the "official" invitation for attendance to the individual whom you select.

Jack also reported that he has been informed that Tammy Krause, Amtrak, (The NGEC's Revision Control Coordinator) will be the subcommittee's representative/presenter at the session.

Siemens/All Aboard Florida NGEC specification use – feedback/presentation: Ray Ginnell, Siemens participated on today's call and gave a presentation on the Brightline Passenger Coaches and PRIIA-Specification.

Follow up action items:

Ray Ginnell will provide the subcommittee with the actual weight of the cars once they have been weighed.

Tammy Krause will determine how she wishes to proceed with having the technical working groups review and provide feedback on the Brightline presentation and potential improvements that could be made to the PRIIA specifications based on the All Aboard Experience.

Steve Hewitt will follow up with Tammy on how she plans to proceed with working group review of the presentation.

On 10-25-16, The NGEC Executive Board expressed interest in having the presentation given on an upcoming call of the Board. Steve Hewitt will work with Siemens to see if this can be arranged.

**4.
Approve Minutes from October 6, 2016 – Mario Bergeron:**

On a motion by Allan Paul, NCDOT, and a second by Charlie Poltenson, NYSDOT, the Minutes from the 10-6-16 Technical subcommittee conference call meeting were approved without exception.

**5.
New NGEC Grant Agreement – 10-1-16 through 9-30-19 - Mario Bergeron/Steve Hewitt:**

On October 25, 2016, the FRA and Amtrak executed a new three-year Grant Agreement for the NGEC. The new agreement is effective October 1, 2016 through September 30, 2019.

In August, 2016, the Executive Board was informed by FRA that through an error the funds for the previous grant agreement which was to run through September 30, 2017, had expired. The Board was informed that it would need to develop a new budget and Statement of Work for a new three-year grant and - formally – Amtrak would need to submit an application for the grant, while closing out the previous grant.

The Board, Amtrak and FRA work diligently to develop the scope and budget and apply for the grant, and, it was approved and executed in very short order with final sign offs from both FRA and Amtrak completed on October 25, 2016 with a start date of October 1, 2016.

Although it was unexpected, this activity confirmed the strong interest and support that exists for the work of the NGEC and provides an additional three years of funding to maintain its current level of activity.

Mario reiterated the fact that most of the work of the NGEC; its Executive Board; and its subcommittees and task forces is voluntary, and he expressed his appreciation to all for the hard work that they do. He noted that the NGEC has been extremely efficient over the years in managing its limited funds and in adhering to an austere budget. The Committee has been acknowledged for the work that it does and for the way it conducts its business and manages its limited funds.

**6.
Looking ahead: 2017 NGEC Annual Meeting – date/location - Steve Hewitt:**

Steve Hewitt reported that the 2017 NGEC Annual Meeting will be held on February 24, 2017 at the Hyatt Regency, Capitol Hill in Washington, DC. A Save the Date notice has gone out to all NGEC members. A calendar appointment will be sent out as well. As always, the NGEC meeting will take place in conjunction with AASHTO's Standing Committee on Rail Transportation (SCORT) and other meetings all in the Hyatt Regency. (The Save the Date notice provides the dates for all meetings that week.

The NGEC Executive Board Chairman has begun to develop the agenda for the meeting, and will work with Board members to finalize it over the next few months.

Additional information with regard to hotel accommodations, etc will be forthcoming.

Steve said that he anticipates a DRAFT agenda to be forthcoming within a month or so. A first draft will be presented to the executive Board in the coming weeks and following that, he will post and distribute it as a DRAFT to NGEC members.

**7.
Update: Diesel-electric Locomotive Procurement – Jennifer Bastian, IDOT:**

Jennifer Bastian provided the following update from IDOT for inclusion in today's minutes:

- *JPEs continue to receive Siemens' weekly revised schedule and conduct weekly conference calls. The main basis for revised weekly schedules reflects on-going testing up-dates.*
- *Testing of the first two pilot locomotives is complete at TTCI and they are back at Siemens factory. All tests have been successful.*
- *The four MARC cars were used at TTCI for locomotive propulsion tests and are now returned to Maryland.*
- *Locomotive 4604 is stored at MARC after the successful completion for Vehicle Qualification Testing on the North-East Corridor.*
- *IDOT 4608 & 4609 have been shipped to TTCI at Pueblo, CO for 500-mile burn-in testing. The locomotives will*

next ship to Chicago, when IDOT and Amtrak are ready.

- IDOT will now send a locomotive to WSDOT for 238.111(b) testing on the Cascades route. WSDOT will conduct the 238.111(b) test. Other JPEs are working with Amtrak for 238.111(a) test plans.
- JPEs are working with Siemens for Wi-Tronix application, now required by Amtrak.
- All Document Change Requests (DCR) have been distributed to the locomotive sub-team leaders for review.
- As-Built weights have been reported at a bit less than 267, 000 lbs (+/-). This is a little bit better than previously estimated. The calculated P2 force is within specified limits. As other locomotives are weighed, we will report.

8.

Update: Bi-Level Car Procurement – Momo Tamaoki, Caltrans:

Momo Tamaoki provided an update based on the following report submitted by Momo Tamaoki:

- **FAIs** – Caltrans, IDOT and FRA are still evaluating the test results from the dynamic test and quasi static test of the seat/table. Once the evaluation is completed, the FAI will be scheduled. The other remaining FAIs (Food Service and ATR/UTR) will take place next year. At the beginning of December, Amtrak Public Health team will visit NS facility in Rochelle to review 3D models of the food service system prior to the official FDA inspection.
- **Carshell** – We had a face to face meeting with NS at the beginning of October to discuss the Carshell re-design effort. They have made huge progress on the re-design. However, the supplemental Carshell re-design review meeting originally scheduled for January 2017 will be postponed. This is due to new requirements that were discussed during the last meeting. We will have another Web meeting with NS at the beginning of December and determine the new dates for the supplemental re-design review.
- **Testing** –The coupler test is scheduled for the end of this year in Germany.
- **Misc.** –The FAI Plan audit took place on October 26, and it was a success with only one open item. The Manufacturing and QA meeting also took place on October 27, and they are getting ready for the production ramp up for the test cars early next year.

9.

Document Control Update: Tammy Krause, Amtrak:

There was no update provided, as Tammy Krause was unavailable for today's call.

10.

Update: AAR Committee - Jeff Gordon, FRA:

Jeff Gordon provided a brief update on today's call:

Brian Marquis, Volpe, and Nick Wilson, TTCI (for AAR) are leading the VTI effort. Brian has produced a prototype MCAT software approach for consideration for lower track classes (3,4,5 inches). He (Brian) and Nick will be meeting to discuss the prototype and its potential applicability on 11-14-16. Jeff believes this is a logical approach.

At Chairman Bergeron's request, Jeff Gordon agreed to make a presentation on the activities of this AAR committee during the NGEAC Annual Meeting in February. Steve Hewitt will add this to the DRAFT Annual Meeting agenda.

11.

Adjourn:

With no further issues to come before the subcommittee today, Mario Bergeron adjourned this conference call meeting at 3:39PM Eastern.

Next Call: November 17, 2016 – 3:00pm Eastern

Decisions and Action Items

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. (ongoing)

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Maintaining Industry Participation List: This remains an ongoing action item. There are currently **261** registered industry participants. (Ongoing)

AAR Committee: AAR is compiling the completed items - all sections are complete except for VTI.

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Next Update: 12-1-16.

Procurement Updates: Progress reports from the lead states on the two PRIIA multi-state equipment procurements are provided on each technical subcommittee call. (ongoing)

Technical working groups Review/Update of the three PRIIA Single Level Specifications (car, trainsets, DMUs):

Tammy Krause has compiled the new lists for the Electrical Group and Digital Trainline Group. She has sent the new Interior group members to team leader Andrew Wood, and will be sending the remaining new members to the other groups this week.

All Working Group leaders are asked to provide a list of their members to Tammy Krause and Steve Hewitt for their files and for posting to the website. (ongoing)

Document Control Update: The Bi-level Specification Revision C,4 has been completed and is available, upon request, through Steve Hewitt.

Tammy is starting to create the Document Change Requests for the next revision of the Single level specification based upon the applicable changes from the Bi-level specification.

(ongoing)

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ATTACHMENTS



The NGEC will provide national leadership in standardization,
acquisition, financing and management of passenger rail equipment.

PRIIA Section 305 Tech Sub Committee Meeting

November 3, 2016

The agenda for the meeting is below:

- | | |
|--|------------------|
| 1. Roll Call | Steve Hewitt |
| 2. Review meeting agenda | Mario Bergeron |
| 3. Review Action Items | Steve Hewitt |
| 4. Approve Minutes of 10-6-16 | Mario Bergeron |
| 5. New NGEC Grant Agreement – 10-1-16 through 9-30-19 | Mario Bergeron |
| 6. Looking ahead: 2017 NGEC Annual Meeting – date/location | Steve Hewitt |
| 7. Update: Diesel-Electric Procurement | Jennifer Bastian |
| 8. Update: Bi-level Procurement | Momo Tamaoki |
| 9. Document Control Update | Tammy Krause |
| 10. Update: AAR Committee | Jeff Gordon |
| 11. Other Issues | All |
| 12. Review this meeting: | Steve Hewitt |
| a) Decisions | |
| b) New Action Items | |

***Technical Sub Committee Conference Call Meeting:
Thursday 11-3-2016 / 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 –11-17-16 at 3:00pm Eastern***