

SECTION 305 TECH SUB COMM

MINUTES

OCTOBER 6, 2016 3:00PM EASTERN

CONFERENCE CALL

FACILITATOR	<i>Dale Engelhardt, Vice Chair, NGENC Technical Subcommittee</i>
ATTENDEES	Core Team Members: Mario Bergeron, Dale Engelhardt, Jeff Gordon, Allan Paul, Momo Tamaoki, Marci Petterson, Jennifer Bastian, Phil Meraz, Troy Hughes, Michael Burshtin, Jeff Schultz, Sal DeAngelo, Curtis McDowell, Art Peterson, Steve Hewitt, Industry Members: Joe Diliello, Paul Jamieson, Tom Sisler, Jack Madden, Joe Kenas, Glen Rees, Tom Lamano, Antony Jones, Walt Stringer, Bill Slater, Wulf Dickie, Lew Hoens, Josh Coran, Martin Bloedt, Pat Sheeran, Bill Saddler, Armin Kick, Steve Morrison, Special Guest: Ray Ginnell
ABSENTEES	<i>Jason Biggs, Charlie Poltenson, Vincent Brotski, Andrew Wood, Jay Gilfillan, Jonathan Hines, Melissa Shurland, Devin Rouse, Anand Prabhakaran, Charles Bielitz, Nico Lindenau, 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 **260** registered industry participants.

Requesting Backgrounder educational document: The NGENC Executive Board approved the new educational/outreach document on 9-20-16. It is being finalized by Missouri DOT and will then be sent to Steve Hewitt, and AASHTO for printing and posting to the website. Steve will advise as to number of copies to be printed. Industry members requesting 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 – Steve Hewitt read it into the record:

ECP Project Report

Interoperability testing was conducted on September 27th and 28th at New York Air Brake – Watertown, NY. Some action items were identified and will be completed by October 24th. The test committee met via teleconference on September 29th and agreed that the interoperability test was successfully completed and the project will move forward to the static/dynamic train tests which will be conducted on Amtrak NEC.

Training materials for Amtrak operations and maintenance personnel were reviewed on September 29th. The documents

were provided to Amtrak so that training can be conducted. Some additional information was identified such as photographs of the final equipment installation which will be added to the training materials. Training must be completed prior to the ECP train entering revenue service.

Loco modification to install the ECP hardware and software was started on October 3rd.

Static and dynamic testing schedule will be reported during future meetings.

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 as of 9-22-16: The final report is still being worked on. It will be shared with the Technical subcommittee as soon as it is completed.

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: 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.

AAR Committee: AAR is compiling the completed items, with the exception of the VTI section, and will circulate them for review among the committee members.

Next update: 10-20-16

4. Approve Minutes from September 22, 2016 – Mario Bergeron:

On a motion by Allan Paul, NCDOT, and a second by Jeff Gordon, FRA, the Minutes from the 9-22-16 Technical subcommittee conference call meeting were approved without exception.

5. Special Presentation – Brightline – Project – Ray Ginnell, Siemens, Program Director, Passenger Coaches:

Mario Bergeron introduced the topic for this agenda item, as being the first opportunity for the full Technical subcommittee to receive feedback on the PRIIA specification as experienced during a procurement that does not involve PRIIA member states. There are two active PRIIA NGEC multi-state procurements currently underway – the bi-level cars; and the diesel-electric locomotives. These procurements follow NGEC procedures for making changes to the specifications as needed. Where appropriate, the subcommittee will apply changes approved for these specifications to other PRIIA specifications.

In the case of All Aboard Florida and its procurement of the Brightline cars, while the PRIIA specification has been used as the basis, they are not under the PRIIA requirements or change procedures, but have been asked to provide the NGEC with feedback based on the experience of using the PRIIA Specification and to offer suggestions on potential areas where the specs can be improved.

Ray Ginnell, Siemens Industries Program Director, Passenger Coaches, provided a "walk-through" of the Brightlines presentation as previously provided to the Interiors technical working group. Mr. Ginnell highlighted areas where the procurement deviated from the PRIIA specification and provided the reasoning behind those decisions.

(All subcommittee members were provided with the presentation in advance of today's call)

At the conclusion of the presentation several questions were asked and responded to by Mr. Ginnell. Some of those questions concerned specific areas such as the toilets – and whether there were sharp edges on the counter tops or sink (there are not); and other questions concerned whether or not All Aboard Florida developed a specification and then compared it to the PRIIA spec or started with the PRIIA spec as its basis. The response was that they started from the PRIIA specification, and made changes or deviated from the spec in certain areas based on need, or based on customer preferences.

A key issue where there was a need to deviate was the weight requirements in the PRIIA specification which was deemed to be unattainable by the builder.

As discussion came to an end, it was agreed that the NGEC would benefit from a technical review by the subcommittee working groups of the presentation and the aforementioned deviations from PRIIA to get a sense of if or how the PRIIA specs could be improved. Revision Control Coordinator Tammy Krause was unavailable for today's call, so Steve Hewitt will relay the message to her and she will make a decision how to proceed with asking the Technical working group team leaders to have their groups begin a review and make recommendations.

As for the issue of weight, Mr. Ginnell agreed to provide the actual weight to the subcommittee once the various car types have been weighed.

Chairman Bergeron expressed his thanks and appreciation to Ray Ginnell for participating on the call today and providing subcommittee members with a very informative presentation and discussion.

6.

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. All tests have been successful and the locomotives are en-route back to Siemens' Sacramento factory.*
- *The four MARC cars were used at TTCI for locomotive propulsion tests for the revenue simulation Test and should also be en-route back to Maryland.*
- *Vehicle Qualification Testing on the North East Corridor, is also complete. All testing went well with no issues noted. During the testing, nearly 1,000 failure-free miles were accumulated on locomotive 4604.*
- *IDOT 4608 is ready to ship from Siemens and will be released as soon as IDOT and Amtrak are ready.*
- *Each JPE are working out details for pre-revenue test plans, with Amtrak.*
- *All fifteen (15 ea.) DCRs have been distributed to the locomotive sub-team leaders for review.*
- *The locomotive weight was reported for locomotive # 4604, 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.*

7.

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

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

FAIs –We are now gearing up for the Passenger Seat/Table, Food Service FAIs. The Pre-FAI for the Passenger Seat and Table took place on 9/1. The KSU is in the process of correcting all the workmanship issues they found at the Pre- FAI to prepare for the official customer witness FAI. The drawings for food service are being submitted continuously for the SME's review. NS also submitted an FAI plan to break up the Food Service FAI for more efficient review and approval. The Food Service FAI schedule was submitted by the vendor for customer team's review. Amtrak Public Health group is actively assisting Caltrans in reviewing these system FAIs prior to the official FDA inspection. The sub-supplier for the ATR/UTR will be re-locating to Tennessee from New York. This will cause some delay in scheduling the ATR/UTR FAI, but will still be completed well in advance of the production.

Carshell –We continue to have regular updates from NS to review the progress of the carshell re-design issues, and the schedule for the design activities. Carshell design activities are proceeding in accordance with the schedule requirements of the supplemental design review scheduled in January 2017. The last update meeting took place on September 8. We are in the middle of the face to face pre-supplemental design review

meeting with NS today. We will report the progress on the design at the next conference call.

Testing –The follow up seat dynamic test took place on 9/15 & 16, but has not received official results yet. We have heard that it went well. We completed the Primary Energy Absorber and Fuse Testing in Japan (September 17 through 23.) Our SME reported that these tests also went very well. The coupler test is scheduled for the end of the year in Germany.

Misc. –The face to face Project Management meeting between Caltrans, IDOT and NS/SCOA took place on October 4 in Sacramento, and it was productive. Also the FAI Plan audit will take place at the end of October. The Manufacturing and QA meeting is scheduled at the same time, at the end of October. NS provided the official copy of the rendering of each of the Caltrans and IDOT cab cars, and Caltrans shared that with the NGEC.

8. Document Control Update: Tammy Krause, Amtrak:

Tammy Krause was unavailable today – there was no update provided. This item is tabled until the next call (10-20-16).

9. Adjourn:

With no further issues to come before the subcommittee today, Mario Bergeron adjourned this conference call meeting at 3:53PM Eastern.

Next Call: October 20, 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.

Today (10-6-16) Paul Jamieson provided the following update for inclusion in today's minutes:

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subcommittee as soon as it is completed.

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Maintaining Industry Participation List: This remains an ongoing action item. There are currently **260** registered industry participants. (Ongoing)

AAR Committee: AAR is compiling the completed items, with the exception of the VTI section, and will circulate them for review among the committee members.

Next Update: 11-3-16.

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: Document control is in the process of compiling the C4 version of the Bi-level spec and it is signed. It is expected to be finished and available next week. (week of 9-26-16) Tammy Krause will inform Steve Hewitt when it is finalized and he will inform Technical subcommittee members.

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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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.

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Siemens/All Aboard Florida NGEN 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 will provide the subcommittee with the actual weight of the cars once they have been weighed.

Steve Hewitt will work with Tammy Krause to 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.

ATTACHMENTS



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

PRIIA Section 305 Tech Sub Committee Meeting

October 6, 2016

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 9-22-16 | Mario Bergeron |
| 5. Special Presentation: Siemens Presentation/AAF experience with PRIIA Specifications | Ray Ginnell, Siemens
Program Director, Passenger Coaches |
| 6. Update: Diesel-Electric Procurement | Jennifer Bastian |
| 7. Update: Bi-level Procurement | Momo Tamaoki |
| 8. Document Control Update | |
| 9. Other Issues | All |
| 10. Review this meeting: | Steve Hewitt |
| a) Decisions | |
| b) New Action Items | |

***Technical Sub Committee Conference Call Meeting:
Thursday 10-6-2016 / 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 –10-20-16 at 3:00pm Eastern***