

SECTION 305 TECH SUB COMM

MINUTES

SEPTEMBER 8,
2016

3:00PM EASTERN

CONFERENCE CALL

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

DISCUSSION/DECISIONS MADE

1.

Vice Chairman Dale Engelhardt, Amtrak, called today's meeting to order on behalf of Chairman Bergeron, asking Steve Hewitt to call the roll. Chairman Bergeron joined the call but asked Dale Engelhardt to continue to facilitate the meeting.

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 – Dale Engelhardt:

Dale Engelhardt 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 **258** registered industry participants.

Requesting Backgrounder educational document: The NGENC Executive Board expects to consider approval of the revised educational document on its next call – 9-20-16.

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)

AWG/RVAAC 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. The take-aways from those discussions are below and will be in the report. (see above)

On the 8-11-16 Tech SC call, members were asked to review the information provided and relay any questions or comments to Steve Hewitt who will forward them to Melissa Shurland. (None received)

On 8-25-16 Melissa Shurland reported that she had not received any comments either, and that once she gets the report she will send it to Steve Hewitt for dissemination to the full Technical subcommittee.

Status: Melissa Reported that there was nothing new to report this week.

AAR Committee: Progress has been made on the most outstanding issues remaining to be resolved – those having to do with VTI - especially with regard to whether or not the requirements in AAR Chapter 11 will be applicable to passenger rail.

Brian Marquis, Volpe, and Nick Wilson, for AAR, are the leads on this issue, and pending a report back to the AAR committee lead, Dave Cacovic, a meeting will be called to discuss their recommendations.

Next Update: 9-22-16.

**4.
Approve Minutes from August 25, 2016 – Dale Engelhardt:**

On a motion by Phil Meraz, Iowa DOT, and a second by Allan Paul, NCDOT, the Minutes from the 9-8-16 Technical subcommittee conference call meeting were approved without exception.

**5.
Update: Diesel-electric Locomotive Procurement – Richard Stegner for IDOT:**

Richard Stegner 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 continues at TTCI. All tests have been successful so far for: Vehicle stability, high speed performance (125 mph +5), AAR Chapter XI, Road Braking, Thermal Capacity, EMI/EMC.*
- *The four MARC cars continue to be used at TTCI for locomotive propulsion tests for the revenue simulation Test. Track speeds of 127 MPH have been routinely achieved, while acceleration, trip times and fuel consumption performance have been found to be a bit better than estimated.*
- *The last tests to be conducted at TTCI are scheduled for the next two weeks: Battery Charger/Aux Power/HEP, Exterior lighting performance, Sanding, Adhesion and Wheel Slide.*
- *Vehicle Qualification Testing on the North East Corridor, as approved by FRA is scheduled to start this weekend. Amtrak has confirmed the tests to commence this Saturday night.*
- *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.*

**6.
Update: Bi-Level Car Procurement – Momo Tamaoki, Caltrans:**

Momo Tamaoki provided the following update on the Bi-Level car procurement for inclusion in today's minutes:

- **FAIs** –We are now gearing up for the remaining FAIs – Passenger Seat/Table, Food Service. The FAI package for the seat/table has been submitted for the customer team's review on July 25, and the Pre-FAI took place on 9/1. The vendor is in process of correcting all the workman issues they found at the Pre- FAI, and prepare for the official customer witness FAI. The drawings for food service and are being submitted continuously for the SME's review. The vendor also submitted an FAI plan to break up the Food Service FAI for more efficient review and approval. Amtrak Public Health group will also assist Caltrans in reviewing these system FAIs prior to the FDA inspection. The sub-supplier for the ATR and 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. The last update meeting was July 25, Monday. Carshell design activities are now proceeding in accordance with the schedule requirements of the supplemental design review in 2017. The next update meeting will be held today. The face to face pre-supplemental design review will be scheduled at the beginning of October.
- **Testing** –The follow up seat dynamic test will take on 9/15 & 16. All other seat and table follow up tests will take place after all the remaining open items are closed. The next big tests are the Primary Energy Absorber and Fuse Testing in Japan on September 17 through 23.
- **Misc.** –The next face to face Project Management meeting between Caltrans, IDOT and NS/SCOA will take place in the week of October 5. Also the FAI Plan audit will take place on 10/5. The Manufacturing and QA meeting is scheduled in Rochelle on 10/6. I just heard from NS this morning that they will be providing one rendering each of the Caltrans and IDOT cab cars. So as soon as we receive it, we'll be sharing it with NGECC.

Dale Engelhardt asked "Momo, with the recent closure of Columbus Casting, where will you get the trucks for the Bi-Level equipment?"

Momo responded that Nippon Sharyo is in discussion with alternative suppliers, but that she could not discuss any further at this time. Momo did add that there are 3 or 4 potential alternate suppliers. She will share when she can.

7. Document Control Update: Tammy Krause, Amtrak:

No activity to report today.

8. Other Issues/Adjourn:

1. Mario Bergeron reported that Jack Madden, (formerly NYSDOT – current NGECC industry member) has requested that the NGECC subcommittee provide a representative to participate on a TRB panel at the Annual Meeting in DC in January. The session is being put on by the TRB Committee AR020, and the purpose of the session is to discuss PRIIA Section 305 NGECC equipment specifications and lessons learned particularly during the procurement process. The intent is to have someone from the Technical subcommittee provide an overview of the process for developing and managing the PRIIA specifications. Panelist already scheduled to present at the session include Bruce Roberts, Caltrans, Dave Ward, Siemens, Craig McKeen, EMD Progress Rail and Kevin Kesler, FRA.

Mario asked that Steve Hewitt take three actions related to this request:

1. Acknowledge receipt of the request in these minutes.
 2. Put this item on the next NGECC Executive Board conference call agenda (9-20-16) with a request for approval to participate.
 3. Share the email invite from Jack Madden with the Executive Board in advance of the 9-20-16 conference call as a read ahead.
2. Mario Bergeron raised a second issue for discussion. Previously, the NGECC had shared its specifications with All Aboard Florida, (which will be using or at least referencing the document(s) in its upcoming equipment procurement). The NGECC requested that, as the specs are used, All Aboard Florida provide the NGECC with feedback with regard to issues that arise or any potential or suggested changes they may wish to make to the specifications. Recently (a few weeks ago) feedback was received in the form of a presentation provided to the NGECC technical subcommittee's Interiors Working Group by Siemens industries as the manufacturer. Team leader, Andrew Wood, Amtrak suggested that the presentation be shared with the full Technical subcommittee and/or the NGECC Executive Board.

Mario would like to offer the presentation on the next Technical subcommittee conference call (9-22-16) if Siemens is interested and available to do so.

Steve Morrison, Siemens, was on the call today and said that Paul Winkler created the presentation, and, if available would be pleased to present it at the next Technical subcommittee meeting.

If he cannot be available for 9-22-16, the subcommittee would invite Paul to participate on the following call (10-6-16).

Mario asked that Steve Hewitt work with Steve Morrison to extend the invitation to Mr. Winkler.

Steve Morrison will provide Steve Hewitt with Paul's contact information, in case he doesn't have it although Paul is member of the NGECE Industry group.

3. Mario Bergeron also took a moment to recognize Siemens for their work on the new Charger Locomotive, commenting that Amtrak hosted an event at the 30th Street Station in Philadelphia (today) providing an opportunity to showcase the locomotive to other parties. The event went great and Mario noted that he and Amtrak were pleased to be supportive.

**9.
Adjourn:**

With no further issues to come before the subcommittee today, Dale Engelhardt adjourned this conference call meeting at 3:27PM Eastern.

Next Call: September 22, 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)

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)

Members are asked to review this information and relay any questions or comments to Steve Hewitt who will forward them to Melissa Shurland.

There was nothing new to report today.

(Ongoing)

Requesting Background educational document: The NGECE Executive Board expects to consider approval of the revised two-page educational document on its next call – 9-20-16.

Maintaining Industry Participation List: This remains an ongoing action item. There are currently **258** registered industry participants. (Ongoing)

AAR Committee: Progress has been made on the most outstanding issues remaining to be resolved – those having to do with VTI - especially with regard to whether or not the requirements in AAR Chapter 11 will be applicable to passenger rail.

Brian Marquis, Volpe, and Nick Wilson, for AAR, are the leads on this issue. They met in Pueblo this past week, and pending a report back to the AAR committee lead – Dave Cacovic – a meeting will be called to discuss their recommendations.

Next Update: 9-22-16.

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.

Document Control Update: C.4 version of the Bi-Level Specification was approved by the Executive Board. As soon as Tammy gets the cover sheets signed and the revision history updated, it will be sent to the website.

The document change requests for the Diesel-electric locomotive have been sent to the proper sub groups by Richard Stegner for approval.

No update was provided on these items today (9-8-16).

(ongoing)

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

Actions:

Steve Hewitt will:

- Acknowledge receipt of the request in these minutes.
- Put this item on the next NGEC Executive Board conference call agenda (9-20-16) with a request for approval to participate.
- Share the email invite from Jack Madden with the Executive Board in advance of the 9-20-16 conference call as a read ahead.

Siemens/All Aboard Florida NGEC specification use – feedback/presentation: Mario Bergeron has asked Steve Hewitt to extend an invitation to Paul Winkler, Siemens industries to participate on the next subcommittee call (9-22-16) to give the presentation on All Aboard Florida/Siemens' feedback on the NGEC specifications provided recently to the Interiors working group of the Technical subcommittee. Steve Morrison, Siemens, will make sure Steve Hewitt has the correct contact information for Mr. Winkler. If Paul is unavailable for 9-22-16, Steve Hewitt will offer the next call (10-6-16) as an option.

ATTACHMENTS

Next Generation
Equipment Committee



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

PRIIA Section 305 Tech Sub Committee Meeting

September 8, 2016

The agenda for the meeting is below:

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| 1. Roll Call | Steve Hewitt |
| 2. Review meeting agenda | Dale Engelhardt |
| 3. Review Action Items | Steve Hewitt |
| 4. Approve Minutes of 8-25-16 | Dale Engelhardt |
| 5. Update: Diesel-Electric Procurement | Richard Stegner |
| 6. Update: Bi-level Procurement | Momo Tamaoki |
| 7. Document Control Update | Tammy Krause |
| 8. Other Issues | All |
| 9. Review this meeting: | Steve Hewitt |
| a) Decisions | |
| b) New Action Items | |

***Technical Sub Committee Conference Call Meeting:
Thursday 9-8-2016 / 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 -9-22-16 at 3:00pm Eastern***