

# SECTION 305 TECH SUB COMM

MINUTES

JANUARY 12, 2017 3:00PM EASTERN

CONFERENCE CALL

<b>FACILITATOR</b>	<i>Mario Bergeron, Chair, NGENC Technical Subcommittee</i>
<b>ATTENDEES</b>	<b>Core Team Members:</b> Mario Bergeron, Dale Engelhardt, Jeff Gordon, Allan Paul, Marci Petterson, Rich Stegner for Jennifer Bastian, Momoko Tamaoki, Michael Burshtin, Curtis McDowell, Andrew Wood, Jeff Schultz, Melissa Shurland, Dave "Emeritus" Warner, Kevin Kesler, Renee Strolis, Steve Hewitt, <b>Industry Members:</b> Jack Madden, James Michel, Kevin Myles,, Richard Stegner, Steve Morrison, Al Bieber, Wulf Dickie, Bill Slater, Paul Jamieson, Dick Bruss, Tom Hunt, Richard Curtis, Joe Kenas, Martin Bloedt, Tom LaMano
<b>ABSENTEES</b>	<i>Jennifer Bastian, Troy Hughes, Jason Biggs, Charlie Poltenson, Phil Meraz, Tammy Krause, Art Peterson, Jay Gilfillan, Jonathan Hines, Devin Rouse, Anand Prabhakaran, Charles Bielitz, Nico Lindenau, Michael Coltman, Brian Marquis, Curtis McDowell, Larry Salci, Sal DeAngelo</i>

## DISCUSSION/DECISIONS MADE

**1.**

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

After calling the roll, it was determined that a quorum was not present. It was agreed that the call would continue, but no formal votes would be taken.

**As always, industry participants are asked to email a notification of their attendance to Steve Hewitt at [shewitt109@aol.com](mailto:shewitt109@aol.com)**

Chairman Bergeron, noting that this was the first meeting of the year for the subcommittee, welcomed everyone and wished all members "a productive, efficient and healthy New Year".

**2.**

**Review of the Meeting Agenda – Mario Bergeron, Amtrak:**

Chairman 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:** Copies have been printed, subcommittee members (core team and industry) who would like a hard copy (copies) should contact Steve at [shewitt109@aol.com](mailto:shewitt109@aol.com) with the number requested and an address to send them to. They will also be available at the Annual Meeting

**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:

*The Revenue Service Demonstration advisory letter is scheduled to be delivered to the FRA Office of Safety no later than Friday, January 13, 2017. Final equipment modifications to the Siemens locomotive software, and locomotive and cab car event recorder are scheduled to be completed by January 24, 2017. Amtrak mechanical personnel training and bulletins have been distributed. Amtrak Transportation personnel training is scheduled for completion during the weeks of January 23 and 30, 2017. The Revenue Service Demonstration is scheduled for Monday, February 6, 2017, for the Keystone Service operating on the Northeast Corridor.*

*To realize the progress made on this project since the initial release of the Bi-level Technical Specification in August 2010 would not be possible without the cooperation of APTA, FRA, NYAB and Wabtec.*

*With the planned successful revenue service demonstration introduction, the APTA PRESS Mechanical ECP Working group will continue to develop and release the standards, and draft recommended changes to the CFR necessary to support the Passenger ECP equipment.*

Chairman Bergeron complimented Paul and the committee on the hard work and noted that it is very complex and all parties (states, industry, FRA and Amtrak) have put a lot of effort into making sure that it is a success and that it meets the tight timelines.

**AWG Update:** On the last call, 12-15-16, Melissa Shurland, FRA, made a presentation of the FRA/Oregon State University report: Inclusive Universal Design Guidelines for HSR Passenger Cars: Safety and Feasibility Review of Accessibility. The full report and the PowerPoint presentation were distributed prior to the call and comments were due to Melissa Shurland by 1-12-17 (today).

**Status:** Melissa Shurland reported that she had received one set of comments and they were being reviewed and considered for possible inclusion in the report. After some discussion, it was agreed that, once the review is complete, and a decision on whether to include the comments in the report is made, Melissa will inform Steve Hewitt and Chairman Bergeron, and a decision will be made to either provide a summary of the changes on a subcommittee call, or wait until the Annual Meeting and include this as a part of the overall presentation of the Accessibility report.

**AAR Report:** Ongoing – Next update – 1-26-17.

#### **4.**

##### **Approve Minutes from December 15, 2016:**

Due to the lack of a quorum approval of the minutes from the last call was tabled until the 1-26-17 call.

#### **5.**

##### **Update: Diesel-electric Locomotive Procurement – Rich Stegner for Jennifer Bastian, IDOT:**

Rich Stegner provided the following update, on behalf of 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 locomotive delivery and testing up-dates.*
- *Locomotive 4604 that was s tested on the Northeast Corridor was delivered to Chicago, prior to the holiday break.*
- *As of now, successful 500-mile conditional acceptance tests have been completed on: 4601, 4602, 4604, 4605, 4606, 4608, 4609 & 4610. Locomotives 4603 & 4607 are at TTCI for testing this week.*
- *After 500-mile testing is complete, all locomotives will next ship to Chicago, when IDOT and Amtrak are ready.*
- *IDOT will send locomotive 4611 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, as required by Amtrak.*
- *All Document Change Requests (DCR) have been reviewed and approved by the with no issues. Rich Stegner will contact Tammy Krause for next steps for revising the specification.*
- *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.*

Chairman Bergeron complimented Richard and IDOT on their efforts and emphasized how complex the effort is. He added that all parties (states, industry, FRA and Amtrak) have put a lot of work into making sure that it is a success and that it meets the tight timelines.

#### **6.**

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

Momo Tamaoki provided the following report for inclusion in today's minutes

*"Caltrans and IDOT are working out some contract issues with our contractor on the bi-level procurement, so there is nothing to report at this time."*

Chairman Bergeron commented that, since this may be the case for the next few weeks, and the subcommittee is tracking the technical items such as DCRs etc. – things of interest to the subcommittee -through the document control process, it would make sense to table this agenda item until Caltrans feels it has an update to provide. He asked Momoko Tamaoki, Caltrans, to "let us know when there will be a progression" and we will add it back into the agenda.

## **7.**

### **Summary Overview TRB Session #545 1-10-17 - Jack Madden:**

*"PRIIA Equipment Specifications: Lessons Learned in the First Use for Construction of Locomotives and Cars"*

Jack Madden provided the following overview of the TRB session held on 1-10-17:

*"As you recall, at our last conference call on December 15<sup>th</sup>, I outlined the sequence of presentation for the PRIIA Session at TRB. We did conduct the Session as scheduled at 8 am Tuesday, January 10<sup>th</sup>, although two of the presenters were not able to be there.*

*Shortly after our last call, I learned that Bruce Roberts was no longer Chief, Caltrans Division of Rail and Mass Transportation. Mr. Steven Keck, his interim replacement advised that Caltrans would not be able to attend and he provided a written statement which he asked me to read.*

*Dave Ward of Siemens called me Monday morning to advise that due to bad weather his flight was initially delayed then cancelled and he could not reschedule in time for the 8 am Tuesday Session. He asked me to make the Siemens presentation for him.*

*For the Session, we did follow the sequence of presentation as I outlined last month. We held questions until after the last presentation. After I provided a short introduction, Tammy Krause led off with an excellent overview of the NGEC, the Technical Subcommittee's organization and operation, and a discussion of the process to develop the six PRIIA Specifications. After Tammy, I read the Statement from Caltrans and referred any questions to Mr. Keck.*

*Next was Siemens' presentation on the SC-44 Charger locomotive. Dave provided me with some of his notes, which allowed me to expand upon the items on his slides. His presentation included the number of SC-44 locomotives on order by different agencies, the numbers on options, the status of testing, comments on some of the PRIIA requirements, and a high-level discussion of the equipment layout on board the locomotives. Craig McKeen of EMD/Progress Rail, a Caterpillar Company, followed with a presentation of the F-125 Spirit locomotive. He noted that changes that they made in the PRIIA Spec to accommodate the specific needs of their customer, Metrolink. Those changes included the incorporation of collision energy management features in the cab of the locomotive beyond that of the push-back coupler, the substitution of a 2300-gallon fuel tank (Metrolink wanted 2500 gallons) for the 1800-gallon tank, and, as Metrolink only requires a maximum of 100 MPH, the removal of a pair of shock absorbers from the trucks. He commented that the standardization, flexibility and modularity of the PRIIA Spec allowed them to customize it for their customer. He also noted that EMD/Progress rail, as well as Siemens, incorporated proven technology from their previous locomotive designs in order to meet the PRIIA Spec. Both his presentation as well as Siemens' noted that they have redundancy in the locomotive for Head End Power. If the HEP inverter fails, they can provide HEP from one of the traction motor inverters, thus keeping the passengers warm or cool, as appropriate, with a reduction in propulsion power.*

*Kevin Kesler of FRA finished up and summarized the regulatory framework. He noted that the FRA prefers the industry to propose standards which the FRA could then utilize.*

*We had about a half hour for questions from the approximately 30 people in attendance. At the end of the presentation, the audience took 13 of the 25 NGEC one-pagers which Steve had provided to me for the Session.*

*I want to thank Tammy Krause, Kevin Kesler, Craig McKeen and Dave Ward for their participation and support which made the TRB Session possible."*

Kevin Kesler, FRA, commented "Jack Madden did a great job in making this happen" and he added "Tammy Krause did an excellent job on providing the NGEC background...the FRA appreciates all the work that has gone into the NGEC since the beginning...lots of hard work over a lot of years". Kevin also mentioned that "the contribution of Amtrak has been extraordinary."

Kevin also commented that at the session the question was asked about what the process was for obtaining the NGEC standards, and who owns the copyright to the specs.

Steve Hewitt responded to the question explaining that the specs were copyrighted by the NGEC, and that the process

for obtaining NGEN documents and/or specifications is to go to the NGEN website: [www.ngec305.org](http://www.ngec305.org) to the section: documents and specs and a list of available documents will come up on the screen. A button to click on to request the item will trigger an automatic email to Steve Hewitt and he will provide the requested document. When requesting a document the individual making the request will be asked to provide information on who they are and why they want the document. They will also be asked to fill out a specification use form.

Bottom line – Steve Hewitt is the keeper of the documents and they are available upon request.

Jack Madden and Kevin Kesler stated they would relay this information to Eloy Martinez (Chair of the TRB Passenger Rail Equipment Committee).

Mario Bergeron expressed his appreciation and that of the NGEN for the efforts of Jack Madden, Tammy Krause and all of those who participated in this TRB session. It shows "a recognition of the efforts of the NGEN".

Mario asked if the presentations will be available.

Jack Madden said that they will be made available in March, 2017, by TRB to those who were registered attendees at the TRB Annual Meeting. Jack will confirm whether it is ok to distribute the presentations beyond the TRB registrants – each presenter ultimately makes that decision. Jack will contact the session presenters.

Steve Hewitt will send a notice to his and Jack's calendar for March 1 as a reminder to check on the status of the presentations and determine when they could be made available.

Mario Bergeron stated that he will make Tammy Krause's presentation available after the NGEN Annual Meeting.

Jack will make his introductory presentation and the statement in lieu of presentation from Caltrans, available for distribution following today's conference call (1-12-17)

**8.  
Document Control –Tammy Krause:**

Tammy Krause was unavailable and there was no report provided today.

Jack Madden and Rich Stegner did comment that an outstanding Locomotive DCR "roadblock" had been removed and the DCRS were approved to be finalized through the NGEN process.

**9.  
2017 NGEN Annual Meeting - Steve Hewitt:**

- a. Review of Latest DRAFT agenda

**PRIIA Section 305 Next Generation Corridor Equipment Pool Committee (NGEC)  
Room - TBD  
7th Annual Meeting  
February 24, 2017  
8:30am – 3:00 pm EST  
Hyatt Regency Hotel on Capitol Hill, Washington DC**

**DRAFT/Agenda  
Version 4**

8:00 – 8:25am	Registration (Hyatt Meeting Room)
8:25 – 8:30 am	Hotel Safety Briefing – Hyatt Regency Hotel Representative
8:30 – 8:35 am	Convene Annual Meeting: Eric Curtit, Missouri DOT, NGEN Chair
8:35 - 8:45 am	Self introductions
8:45 – 8:50 am	Confirm the presence of a quorum: Steve Hewitt, Manager, NGEN Support Services
8:50 – 9:00 am	Review Meeting Agenda: Eric Curtit

	Review Meeting Packets: Steve Hewitt
9:00 – 9:05 am	Approval of the Minutes from the February 14, 2016 Executive Board conference call
9:05 – 9:25 am	NGEC Chairman’s Report: Eric Curtit
9:25 – 9:40 am	Update from The Federal Railroad Administration- Michael Lestingi, FRA
9:40 – 9:55 am	Update from Amtrak Government Affairs – Joe McHugh, Senior Vice President, Chief Government Affairs
9:55 – 10:10 am	Break
10:10 – 10:40 am	Treasurer’s Report & Finance and Administrative Subcommittee Update – Darrell Smith, Amtrak
10:40 – 10:45am	Consideration of Acceptance of the Treasurer’s Report – Eric Curtit
10:45 – 11:15 am	Progress Report: Technical Subcommittee: Mario Bergeron, Amtrak
11:15 – 11:25am	Electronics on New Rolling Stock – Dale Engelhardt, Amtrak
11:25 – 11:40 am	Overview: Accessibility Report – Melissa Shurland, FRA
11:40 – 11:55 am	Overview/status report: AAR Committee – Jeff Gordon, FRA
11:55 – 12:10pm	514 Subcommittee Update – Brian Beeler II, NNEPRA for Maine DOT
12:10 – 1:15 pm	Lunch (on your own)
1:15 pm	Reconvene the meeting – Eric Curtit
1:15 – 1:30 pm	Mid-West States – Section 6 – Tim Hoeffner, Michigan DOT
1:30 – 2:00pm	Status Update: NGEC Multi-State Equipment Procurements <ul style="list-style-type: none"> <li>a. Diesel-Electric Locomotives: John Oimoen, IDOT</li> <li>b. Bi-level Cars: Steven Keck, Caltrans</li> </ul>
2:00 - 2:30 pm	Questions/Comments/Other Issues: All Attendees
2:30 – 2:40 pm	Meeting Summary/Action Items Review: Steve Hewitt
2:40 – 3:00 pm	Next Steps/Closing Comments: Eric Curtit
3:00pm	Adjourn

**Room Block information:**

Steve reported that the room block information was sent out to all NGEC members on 12-21-16 and reminded everyone who has interest in attending the meeting and staying at the conference hotel to make reservations asap. The room block rate closes on January 31, 2017.

Below, provided by Kamasha Hendrickson, AASHTO, is the link for the hotel room block for the NGEC 2017 Annual Meeting to be held at the Hyatt Regency Capitol Hill, Washington, DC on February 24, 2017. The cutoff date for the room block rate is January 30, 2017. Please make your reservations asap to be sure to get a room.

Attached is the latest DRAFT agenda for the meeting to assist you in making your travel plans.

Link to make hotel reservations -

<https://aws.passkey.com/event/15560266/owner/12345/landing?gtid=eaef575eb7cb9b2b6194d817282009c1>.

**The rate is the current per diem of \$182 per night plus 14.5% tax.**

**Registering for the Meeting:**

For those who plan to attend the meeting, it is important that you send an email to Steve Hewitt to that effect. Steve will then add you to the NGECC registration list and have a name card printed for you. Having an accurate head count is important so that we can have the proper amount of printed meeting material available, and for setting up the room.

**10.  
Other Issues**

**Adjourn:**

With no further issues to come before the subcommittee today, Mario Bergeron adjourned this conference call meeting at 3:50PM Eastern.

**Next Call: January 26, 2017 – 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, Paul Jamieson reported:

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

**AAR Committee:** Ongoing

**Next Update: 1-26-17.**

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

For the Bi-Level Car Procurement, it was reported:

*"Caltrans and IDOT are working out some contract issues with our contractor on the bi-level procurement, so there is nothing to report at this time."*

As it is expected that this may be the status for a while, Chairman Bergeron has asked that this item be removed from the bi-weekly agenda until such time that Caltrans feels that it has an update to provide to the subcommittee. Momo Tamaoki will contact Steve Hewitt and the Chair when there will be something to report and an agenda item will be added to the subsequent conference call.

**Document Control Update:**

No update provided on today's call (1-12-17):

Status as of 12-15-16:

*An unsecured version of the bilevel specification was provided to NC to use as a base document for their upcoming procurement. I have requested a list of members of each technical subcommittee from the group leaders. I have also sent to the group leaders the table of contents from the single level specification asking which chapters the various groups would like but I have not received any replies yet.*

Tammy also noted that the Timeline for completion of the single level car specification update is completed and will be distributed after today's call. (it is reprinted below as well:

**PRIIA Specification 305-003 Single Level Specification Update Timeline**

Task	Due Date (Red = Completed)
1. Table of Contents Issued to Technical Subcommittee Group Leaders	11/18/16
2. Chapters Selected to Review back to Document Control Manager 1/12/17	
3. DCRs Associated with Chapters sent to Subcommittee Group Leaders	1/13/17
4. DCRs Back to Document Control Manager	2/23/17
5. Single Level Revised per Approved DCRs and Submitted to Members	3/23/17
6. Revised Single Level Specification Sub Tech Approval	4/6/17
7. Approved Revised Single Level Spec submitted to Exec Board	4/11/17
8. Review Panel appointed by Exec Board	4/25/17
9. Review Panel Approval	5/23/17
10. Executive Board Approval	6/6/17

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

Tammy Krause will send the Brightline presentation/feedback to the appropriate working groups and will follow the same process she is using for the review of the single level specification.

**Ongoing**

**NGEC Annual Meeting:** The NGEN's 7<sup>th</sup> Annual Meeting will be held on 2-24-17 at the Hyatt Regency, Capitol Hill, Washington, DC from 8:30am – 3:00pm. All NGEN members are invited to attend.

For those who plan to attend the meeting, it is important that you send an email to Steve Hewitt to that effect. Steve will then add you to the NGEN registration list and have a name card printed for you. Having an accurate head count is important so that we can have the proper amount of printed meeting material available, and for setting up the room.

Hotel Room Block information:

Link to make hotel reservations -

<https://aws.passkey.com/event/15560266/owner/12345/landing?gtid=eaef575eb7cb9b2b6194d817282009c1>.

**Cut-off date is 1-31-17**

**Distribution of TRB Session presentations:** Jack Madden reported that the TRB session presentations will be made available in March, 2017, by TRB, to those who were registered attendees at the TRB Annual Meeting. Jack will confirm whether it is ok to distribute the presentations beyond the TRB registrants – each presenter ultimately makes that decision. Jack will contact the session presenters.

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#### 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**

**January 12, 2017**

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 12-15-16   | Mario Bergeron   |
| 5. Update: Diesel-Electric Procurement   | Jennifer Bastian |
| 6. Update: Bi-level Procurement  | Momo Tamaoki     |
| 7. Summary Overview TRB Session #545 1-10-17<br><i>"PRIIA Equipment Specifications: Lessons Learned<br/>in the First Use for Construction of Locomotives and Cars"</i> | Jack Madden      |
| 8. Document Control Update   | Steve Hewitt     |
| a. Overview of Timeline for Single Level Spec Review-and status update   |                  |
| b. Status: Brightline Review   |                  |
| c. Status: Review of Locomotive DCRs   |                  |



- 9. 2017 NGEN Annual Meeting Steve Hewitt
  - b. Review of Latest DRAFT agenda
  - c. Room Block information
  - d. Attendance registration
  
- 10. Other Issues All
  
- 11. Review this meeting: Steve Hewitt
  - a) Decisions
  - b) New Action Items

***Technical Sub Committee Conference Call Meeting:***  
***Thursday 1-12-17 / 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 -1-26-17 at 3:00pm Eastern***