

# SECTION 305 TECH SUB COMM

MINUTES

AUGUST 24, 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, Jeff Gordon, Momo Tamaoki, Curtis McDowell for Allan Paul, Jennifer Bastian, Phil Meraz, Jeff Schultz for Marci Petterson, Jason Biggs, Tammy Krause, Andrew Wood, Melissa Shurland, Steve Hewitt, Dave "Emeritus" Warner <b>Industry Members:</b> Richard Curtis, Cynthia Dietz, James Michel, Richard Stegner, Joe Kenas, Dick Bruss, Tom Hunt, Steve Morrison, Kevin Myles, Al Bieber, Bill Slater, Jack Madden, Joshua Coran, Glen Rees, Tom LaMano
<b>ABSENTEES</b>	<i>George Hull, Charlie Poltenson, Marci Petterson, Eric Curtit, Allan Paul, Michael Burshtin, Jonathan Hines, Jay Gilfillan, Art Peterson, Devin Rouse, Anand Prabhakaran, Sal DeAngelo, Charles Bielitz, Michael Coltman, Brian Marquis, Larry Salci</i>

## DISCUSSION/DECISIONS MADE

<p><b>1.</b> Chairman Bergeron, Amtrak, called today's meeting to order and asked Steve Hewitt to call the roll.</p> <p>After calling the roll, the presence of a quorum was confirmed.</p> <p><b>As always, industry participants are asked to email a notification of their attendance to Steve Hewitt at <a href="mailto:shewitt109@aol.com">shewitt109@aol.com</a></b></p>
<p><b>2.</b> <b>Review of the Meeting Agenda:</b></p> <p>Mario Bergeron provided a brief overview of today's meeting agenda.</p>
<p><b>3.</b> <b>Review of Action Items that are not on the agenda – Steve Hewitt:</b></p> <p>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:</p>
<p><b>Maintaining Industry Participation List: Status:</b> There are currently <b>242</b> registered industry participants. We have two new members of the industry as of this week: Carl Wikse and Michael Simon, Saft Batteries. Welcome.</p> <p>Steve has updated the industry list with the information at hand, but continues to seek input from members regarding any additional updates or changes they may be aware of.</p>
<p><b>Requesting Backgrounder educational document:</b> Copies remain available, and subcommittee members (core team and industry) who would like a hard copy (copies) should contact Steve at <a href="mailto:shewitt109@aol.com">shewitt109@aol.com</a> with the number requested and an address to send them to. This document is under review for an update by the Executive Board.</p>
<p><b>Updating ECP Standards</b> 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)</p> <p>Paul Jamieson provided the following update for inclusion in today's (8-24-17) minutes:</p> <p><i>The revenue service demonstration test train has accumulated 338,196 train miles in ECP mode and 1,671,788 train miles in Emulation mode. Total train mileage to date is 2,009,984 miles sent the project started in June 2014. One ECP control portion fault occurred which resulted in a loss of 7,560 ECP lost train miles. The fault has been successfully resolved.</i></p> <p><i>The bi-annual FRA report of the revenue service demonstration will be prepared after the August mileage is reported in early September.</i></p>

*The technical working group will meet on August 28 - 29, 2017 to develop the remaining APTA PRESS ECP standards and draft 49CFR238 language which is required. The draft language will be presented at the FRA RSAC ETF meeting scheduled on August 30 - 31, 2017. The draft language is being prepared for NPRM2.*

**Bi-Level Car Procurement:** As Caltrans and IDOT are working out some contract issues with the contractor there will be nothing to report for now. As this is expected to be the status for a while, on 1-12-17 Chairman Bergeron 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, Caltrans, 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.

On 5-4-17, Responding to an inquiry from Dick Bruss, Jennifer Bastian, IDOT, stated that discussions are ongoing – and there may be something more to report in the next month or so.

**Status:** Asked under Other Issues, (8-24-17) about the Bi-Level Car Procurement, Momo Tamaoki, Caltrans, reported that they have received a proposal from Sumitomo and it is under review. Asked how long the review time would be, she responded hopefully around a month. She added that she will be sure to update the NGECC when she has further information that can be shared.

**AWG Update:** Melissa Shurland, FRA, submitted the following report for inclusion in the minutes of 7-13-17: *The contract to Oregon State U to continue the accessibility research was awarded. I will be meeting with the principal investigator from OSU and Volpe today at 2PM to discuss simulation of the interior environment of a passenger in a large power-based wheeled mobility device under normal load profile and accident loadings, 8g longitudinal. We will be looking at some of the scenarios we developed for including 2 wheeled mobility devices on-board that resulted in one accessible space with limited containment. Any industry members from the TSC willing to provide support for our simulations should contact me at 202-493-1316. We hope to focus on simulation at first before going to sled tests.*

**Status:** Melissa Shurland reported today (8-24-17) That FRA is slowly moving along with the simulation and modeling.

#### 4.

##### **Approval of the Minutes from 8-10-17 – Mario Bergeron:**

With a quorum having been confirmed, Mario Bergeron called for a motion to approve the minutes from the 8-10-17 conference call:

On a motion offered by Jennifer Bastian, IDOT, and seconded by Phil Meraz, Iowa DOT, the minutes from the 8-10-17 conference call were approved as presented.

#### 5.

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

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

- a) *JPEs continue to work with Siemens on schedule and conduct bi-weekly conference calls.*
- b) *All locomotives have completed required testing and all reports have been submitted and received. 110 mph hour testing in MI and the Chicago/St. Louis line will take place when all PTC logistics and software are up and in place. Progress was made this week in getting the proper agreements in place to move this forward.*
- c) *All Caltrans locomotives are in revenue service.*
- d) *IDOT and Siemens have signed conditional and final acceptance on 21 IDOT units.*
- e) *IDOT Revenue service started 7/27/2017, with units placed in trailing position. IDOT locomotives began revenue service in Lead Position today 8/24/2017.*
- f) *IDOT locomotives 4616 - 4625 have completed burn-in testing at TTCI. Locomotives 4626 & 4627 will be burn-in tested next week at TTCI. The locomotives stored at TTCI will shipped to Chicago, as soon as storage space becomes available. Storage space in Chicago is limited, until the P-42 locomotives are re-deployed by Amtrak.*
- g) *The Wi-tronix system has been installed on all locomotives and all units in Chicago, except one, have had the necessary software installed which will allow the remaining units to be placed in Lead Position for revenue service. Caltrans software installation is scheduled for next week. Tentatively WSDOT the following week.*
- h) *All WSDOT Locomotives have been delivered and have completed pre-revenue testing and are being readied for revenue service.*
- i) *WSDOT is finalizing their lease with Amtrak*
- j) *Siemens warranty service locations are now established at all JPE locations.*
- k) *The Failure Review Board has been established, with two meetings taking place so far with all JPE's included and Siemens. The next meeting is scheduled for Sept 7<sup>th</sup>. The meeting for October (5<sup>th</sup>) is planned to be held in Wilmington Del and include a visit to Siemen's customer service facility. And plans are being made to hold some meetings with Amtrak personnel based in Wilmington. Amtrak representation will also be asked to take part in*

*future meetings.*

Mario Bergeron offered his congratulations to IDOT as new locomotives entered into revenue service in the lead position today! Mario has a picture of Train # 329 (8-24-17) Engine # 4620 as it entered into service today and will send it to Steve Hewitt for distribution to all subcommittee members.

**6.**

**Document Control Update - Tammy Krause:**

- a. Status: Update of single level Car Specification

There was no update on this item yet, as it remains with Rich Stegner and his working group. NGEC document control has not yet been brought in to this point.

- b. Status: Revision of Timeline for completion single level car spec update

There is no update on a timeline at this point.

- c. Status: Technical writing - D/E Locomotive Spec 305-005 Rev B

The approved changes that comprise Revision B have been compiled and are currently with the technical Writer.

**7.**

**Progress Report – The Future of Electronics on Trains Working Group – Cynthia Dietz:**

Cynthia Diaz reported that the working group will be following the NGEC process to write a requirements document that will be used for drafting a specification. The group will be using the NGEC website to review its document. A draft outline of the requirements document is out now for review among the working group members.

**8.**

**Other Issues:**

**See above – re: Bi-Level Procurement update.**

**Adjourn:**

With no further issues to come before the subcommittee today, Mario Bergeron adjourned this conference call meeting at 3:17PM Eastern.

**Next Call: 9-7-2017 – 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.

Update as of 8-24-17:

*The revenue service demonstration test train has accumulated 338,196 train miles in ECP mode and 1,671,788 train miles in Emulation mode. Total train mileage to date is 2,009,984 miles since the project started in June 2014. One ECP control portion fault occurred which resulted in a loss of 7,560 ECP lost train miles. The fault has been successfully resolved.*

*The bi-annual FRA report of the revenue service demonstration will be prepared after the August mileage is reported in early September.*

*The technical working group will meet on August 28 - 29, 2017 to develop the remaining APTA PRESS ECP standards and draft 49CFR238 language which is required. The draft language will be presented at the FRA RSAC ETF meeting scheduled on August 30 – 31, 2017. The draft language is being prepared for NPRM2.*

Ongoing

**AWG Update:** *The contract to Oregon State U to continue the accessibility research was awarded. I will be meeting with the principal investigator from OSU and Volpe today at 2PM to discuss simulation of the interior environment of a passenger in a large power-based wheeled mobility device under normal load profile and accident loadings, 8g longitudinal. We will be looking at some of the scenarios we developed for including 2 wheeled mobility devices on-board that resulted in one accessible space with limited containment. Any industry members from the TSC willing to provide support for our simulations should contact me at 202-493-1316. We hope to focus on simulation at first before going to sled tests.*

Status as of 8-24-17: FRA is moving forward on simulation and modeling

**Requesting Background educational document:** Copies remain available, and 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.

**Maintaining Industry Participation List: Status:** There are currently **242** registered industry participants. We have two new members of the industry as of this week: Carl Wikse and Michael Simon, Saft Batteries. Welcome.

Steve has updated the industry list with the information at hand, but continues to seek input from members regarding any additional updates or changes they may be aware of.

**AAR Committee:** Ongoing – Relevant updates are provided once a month.

**Next Update: 9-7-17**

**Procurement Updates:**

**Diesel-Electric Locomotive Procurement:** Progress reports from the lead state on the PRIIA multi-state locomotive procurement is provided on each technical subcommittee call. See item 6 above for today's update (8-24-17).

New Action item: Mario Bergeron will provide Steve Hewitt with a picture of train #329 Engine #4620 as it entered into revenue service today (8-24-17). Steve will distribute the picture to all subcommittee members.

**Bi-Level Car Procurement:** As Caltrans and IDOT are working out some contract issues with the contractor there will be nothing to report for now. As this is expected to be the status for a while, on 1-12-17 Chairman Bergeron 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, Caltrans, 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.

**Status:** On 8-24-17, when asked about the status of the Bi-Level Car Procurement, Momo Tamaoki, Caltrans, reported that they have received a proposal from Sumitomo and it is under review. She will be sure to update the NGECC when she has further information that can be shared.

**Document Control Update as of 8-24-17:**

- a. Status: Update of single level Car Specification

There was no update on this item yet, as it remains with Rich Stegner and his working group. NGECC document control has not yet been brought in to this point.

- b. Status: Revision of Timeline for completion single level car spec update

There is no update on a timeline at this point.

- c. Status: Technical writing - D/E Locomotive Spec 305-005 Rev B

The approved changes that comprise Revision B have been compiled and are currently with the Technical Writer.

**Future of Electronics on Trains Working Group:** the working group will be following the NGEC process to write a requirements document that will be used for drafting a specification. The group will be using the NGEC website to review its document. A Draft outline of the requirements document is out now for review among the working group members.

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**

**August 24, 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 from 8-10-17   | Mario Bergeron   |
| 5. Update: Diesel-Electric Locomotive Procurement                           | Jennifer Bastian |
| 6. Document Control Update  | Tammy Krause     |
| d. Status: Update of single level Car Specification                         |                  |
| e. Status: Revision of Timeline for completion single level car spec update |                  |
| f. Status: Technical writing - D/E Locomotive Spec 305-005 Rev B            |                  |
| 7. Progress Report: Future of Electronics on Trains Working Group           | Cynthia Dietz    |
| 8. Other issues   | All              |
| 9. Review this meeting:   | Steve Hewitt     |
| a) Decisions  |                  |
| b) New Action Items   |                  |

***Technical Sub Committee Conference Call Meeting:  
Thursday 8-24-17 / 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 -9-7-17 at 3:00pm Eastern***