

# SECTION 305 TECH SUB COMM

MINUTES

SEPTEMBER 7,  
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, George Hull, Jeff Gordon, Kyle Gradinger, Jennifer Bastian, Eric Curtit, Jeff Schultz for Marci Petterson, Jason Biggs, Steve Hewitt, Michael Burshtin <b>Industry Members:</b> Richard Curtis, Dick Bruss, Steve Morrison, Tom Sisler, Joe DiLiello, Jack Madden, Richard Stegner, Josh Coran, William Slater, Al Bieber, Joe Kenas, Pat Sheeran, Tom Hunt
<b>ABSENTEES</b>	<i>Momo Tamaoki, Allan Paul, Charlie Poltenson, Marci Petterson, Phil Meraz, Jonathan Hines, Jay Gilfillan, Melissa Shurland, Art Peterson, Devin Rouse, Anand Prabhakaran, Sal DeAngelo, Curtis McDowell, Charles Bielitz, Michael Coltman, Brian Marquis, Larry Salci</i>

## DISCUSSION/DECISIONS MADE

**1.**

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

After calling the roll, the presence of a quorum was confirmed.

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

**2.**

**Review of the Meeting Agenda:**

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 **243** registered industry participants. We added one new member over the past two weeks – Donald Sandala, STV Inc.

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.

**Requesting Backgrounder 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. This document is under review for an update by the Executive Board.

Mario Bergeron asked about the timeline for completion of the revised version of the educational document. Steve Hewitt responded, and Eric Curtit (NGEC Chair) confirmed that the timeline for completion is anticipated to be about two months. The intent is to strengthen the document by emphasizing that one of the critical roles of the NGENC is to maintain and update its vehicle specifications. Keeping the specs current is vital.

**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)

Paul Jamieson provided the following update on 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.

No update today.

**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 on 8-24-17 that FRA is slowly moving along with the simulation and modeling.

Melissa was unavailable for today's call (9-7-17) but informed Steve Hewitt that there was no update for today.

#### **4. Approval of the Minutes from 8-24-17 – Mario Bergeron:**

With a quorum having been confirmed, Mario Bergeron called for a motion to approve the minutes from the 8-24-17 conference call:

On a motion offered by Jennifer Bastian, IDOT, and seconded by Eric Curtit, MODOT, the minutes from the 8-24-17 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.*
- c) *All Caltrans locomotives are in revenue service.*
- d) *IDOT and Siemens have signed conditional and final acceptance on 23 IDOT units.*
- e) *IDOT Revenue service started 7/27/2017, with units placed in trailing position. IDOT locomotives began revenue service in Lead Position as of 8/24/2017, but that was suspended on 9/1, due to a forward-facing camera download problem with Wabtec LDRS-V. This is the data storage for the video recorder. Wabtec, Siemens and Amtrak are addressing. Units continue to operate in trailing position.*
- f) *IDOT locomotives 4616 - 4627 have completed burn-in testing at TTCI. Locomotives 4628 & 4629 will be burn-in tested next week at TTCI. The locomotives stored at TTCI will be 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 11 of the 12 units in Chicago. The necessary software has also been installed which allows the remaining units to be placed in Lead Position for revenue service. The software has also been installed on all Caltrans and WSDOT units.*
- 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 13<sup>th</sup>. The meeting for October is planned to be held in Wilmington Delaware, and include a visit to Siemen's customer service facility. Amtrak representatives have been added and will participate in the meetings.*

**6.**

**Caltrans Procurement Update – Kyle Grading, Caltrans:**

Kyle Grading, Caltrans, provided the following update:

*"Contract Negotiations are still underway to determine if proposed substitute subcontractor is able to fulfill SCOA's contractual obligations."*

**7.**

**Document Control Update - Tammy Krause:**

As Tammy Krause was unavailable today, this item was tabled until the next call.

**8.**

**Progress Report – Electronics on Trains Working Group – Tom Sisler, SNC-Lavalin:**

Working Group Chair, Tom Sisler provided the following update for inclusion in today's (9-7-17) Minutes:

*Bi-Weekly Update for September 7, 2017*

*Electronics on Trains Working Group*

*By Thomas Sisler*

- 1. Held 8 meetings so far on alternate weeks with this meeting. The next meeting in on 9/12 at 3 pm.*
- 2. Cindy Dietz is taking a new position at MPI in Boise and can no longer be the Chairperson. She nominated Tom Sisler in the last meeting and consensus was obtained to make him the Chairperson.*
- 3. A requirements document is under construction. We are in the brainstorming phase where we try to think of everything a future electronic system could do. Then we'll vet all the ideas versus the constraints of the DTL hardware being specified and finish the requirements document. A very preliminary draft exists that is being reviewed by team members.*
- 4. The PRIIA DTL group has joined this committee so that the DTL specifications are finished together with the specification this committee was tasked to create. Action items exist to get a presentation about hardware and plans the AAR might have for using Ethernet to replace MU trainlines.*

**9.**

**AAR Committee Update – Jeff Gordon, FRA:**

Jeff Gordon, FRA, reported that, as noted in his last update (8-10-17) the AAR has put this committee in hiatus for the time being. The hiatus continues, so Jeff suggested this item be removed from the standing agenda until the committee has resumed activities.

Jason Biggs, WSDOT, asked about the status of AAR looking at issues related to LED Headlights, Jeff commented that AAR had decided to look at LED Headlights separately from the other Tag items covered by the Equipment committee. That being the case, Mario Bergeron asked if it would make sense to have an update on this issue specifically. Jeff Gordon agreed that it would make sense to do so and recommended that the AAR update agenda item remain, and said that he would ask the FRA point of contact to provide a monthly update on that item for now. If and when the AAR committee resumes its overall activities, Jeff will provide an update on that. Chairman Bergeron agreed, and asked Steve Hewitt to keep the agenda item as a monthly update on AAR activities for the time being.

Jeff also suggested that any members of the subcommittee interested in participating in the TAG effort on LED Headlights, let Steve Hewitt know and he will inform Jeff, who will notify the FRA's lead on that issue.

**10.**

**Other Issues:**

**Adjourn:**

With no further issues to come before the subcommittee today, Mario Bergeron adjourned this conference call meeting at 3:23PM Eastern.

**Next Call: 9-21-2017 – 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.

No update to report on 9-7-17.

**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.

The timeline for completion of the updates to the educational document is about two months (late October – early November)

**Maintaining Industry Participation List: Status:** There are currently **243** registered industry participants. We added one new member over the past two weeks – David Sandala, STV Inc.

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.

Jeff Gordon, FRA, reported that, as noted in his last update (8-10-17) the AAR has put this committee in hiatus for the time being. The hiatus continues, so Jeff suggested this item be removed from the standing agenda until the committee has resumed activities.

Jason Biggs, WSDOT, asked about the status of AAR looking at issues related to LED Headlights, Jeff commented that AAR had decided to look at LED Headlights separately from the other Tag items covered by the Equipment committee. That being the case, Jeff recommended that the AAR update agenda item remain and agreed to ask the FRA point of contact to provide a monthly update on that item specifically. If and when the AAR committee resumes its activities, Jeff will provide an update on that. Chairman Bergeron agreed, and Steve Hewitt will keep the agenda item as a monthly update on AAR activities for the time being.

Members of the Technical subcommittee interested in participating in the TAG effort on LED Headlights, let Steve Hewitt know.

**Next Update: LED Headlights - 10-5-17**

**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 (9-7-17).

**Multi-State Car Procurement - Caltrans (Lead State):** *"Contract Negotiations are still underway to determine if proposed substitute subcontractor is able to fulfill SCOA's contractual obligations."*

**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.

On 9-7-17 there was no update provided. Next update – 9-21-17.

**Electronics on Trains Working Group:** the working group continues to meet bi-weekly (see report under agenda item 8). The working group has named Tom Sisler, SNC-Lavalin, as its new chair with Cynthia Dietz having taken a new position at MPI in Boise.

**ATTACHMENTS**



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

**PRIIA Section 305 Tech Sub Committee Meeting**

**September 7, 2017**

The agenda for the meeting is below:

- 1. Roll Call Steve Hewitt
- 2. Review meeting agenda Mario Bergeron

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|---|------------------|
| 3. Review Action Items                                  | Steve Hewitt     |
| 4. Approve Minutes from 8-24-17                         | Mario Bergeron   |
| 5. Update: Diesel-Electric Locomotive Procurement       | Jennifer Bastian |
| 6. Caltrans Procurement Update                          | Kyle Gradinger   |
| 7. Document Control Update                              | Tammy Krause     |
| 8. Progress Report: Electronics on Trains Working Group | Tom Sisler       |
| 9. AAR Committee Update                                 | Jeff Gordon      |
| 10. Other issues  | All              |
| 11. Review this meeting:                                | Steve Hewitt     |
| a) Decisions  |                  |
| b) New Action Items                                     |                  |

***Technical Sub Committee Conference Call Meeting:  
Thursday 9-7-17 / 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 –9-21-17 at 3:00pm Eastern***