

SECTION 305 TECH SUB COMM

MINUTES

OCTOBER 5, 2017 3:00PM EASTERN

CONFERENCE CALL

FACILITATOR	<i>Mario Bergeron, Chair, NGENC Technical Subcommittee</i>
ATTENDEES	Core Team Members: Mario Bergeron, George Hull, Jeff Gordon, Phil Meraz, Phil Meraz also as proxy for Eric Curtit and for Jennifer Bastian, Jeff Schultz for Marci Petterson, Jason Biggs, Jason Biggs also as proxy for Momo Tamaoki, Curtis McDowell for Allan Paul, Steve Hewitt, Tarek Omar, Michael Burshtin Industry Members: Joe Diliello, Rich Stegner, Steve Rehak, Craig McKeen, Richard Brilz, Jacob A. Brown, Donald Sandala, William Slater, Paul Jamieson, Kevin Myles, Tom Hunt, Steve Morrison, Richard Curtis, Bill Saddler, Chuck Wochele, Dick Bruss
ABSENTEES	<i>Momo Tamaoki, Allan Paul, Eric Curtit, Jennifer Bastian, Charlie Poltenson, Marci Petterson, Jonathan Hines, Jay Gilfillan, Melissa Shurland, Art Peterson, Devin Rouse, Anand Prabhakaran, Sal DeAngelo, 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

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 **244** registered industry participants. We added one new member over the past two weeks – Steve Rehak, Sumitomo Corporation

Steve Hewitt 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 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 with the number requested and an address to send them to. Revisions to this document are under review by the Finance and Administrative subcommittee with expectations being that the changes will be approved by the subcommittee and submitted to the Executive Board by late October/early November. Missouri DOT graphic arts staff will be making the design revisions. The intent is to have an updated document ready for distribution by the NGENC Annual Meeting in February 2018.

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 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.

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.

Ongoing

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 was unavailable for today's call (10-5-17) but informed Jeff Gordon that there was no update on AWG, RVACC, or ADA issues for today.

Ongoing

4. Approval of the Minutes from 9-7-17 – Mario Bergeron:

With a quorum having been confirmed, Mario Bergeron called for a motion to approve the minutes from the 9-7-17 conference call:

On a motion offered by, Jeff Schultz for Connecticut DOT, and seconded by George Hull, Amtrak, the minutes from the 9-7-17 conference call were approved as presented.

5. Update: Diesel-electric Locomotive Procurement – Rich Stegner, SNC-Lavalin, for Jennifer Bastian, IDOT:

For IDOT, Richard Stegner, provided the following update:

- a) *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.*
- b) *IDOT and Siemens have signed conditional and final acceptance on 28 IDOT units.*
- c) *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. A software update was installed last week. Two of the three issues were resolved. Wabtec will be trying another software update this week to address the remaining download problem. One unit continues in Lead position, others are being used run in trailing position.*
- d) *IDOT locomotives 4616 - 4629 have completed burn-in testing at TTCI. Locomotive 4630 is at TTCI and will be tested with 4631 next week. Locomotives 4632 and 4633 will go to TTCI later this month. These are the last units of the order that are shipping from Siemens.*
- e) *The locomotives stored at TTCI will ship 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.*
- f) *The Wi-tronix system has been installed on all of the 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.*
- g) *All WSDOT Locomotives have been delivered and have completed pre-revenue testing and are ready for revenue service.*
- h) *WSDOT is finalizing their lease with Amtrak; they are down to one last item that they are working on.*
- i) *The Failure Review Board has been established, with two meetings taking place so far with all JPE's*

included and Siemens. The meeting for October was held today in Wilmington Del and included a visit to Siemen's customer service facility. Amtrak representatives were added and are participating in the meetings.

Mario Bergeron commented that Amtrak had the pleasure to meet those attending the meeting in Wilmington today (10-5-17) WSDOT and IDOT representatives and "our partners" including Siemens came to Wilmington and visited the Training Center and the Bear Maintenance facility. Mario added, "it was a pleasant and productive visit and Amtrak was pleased to have them all."

**6.
Document Control Update - Tammy Krause:**

Tammy Krause provided the following update for inclusion in today's minutes – Steve Hewitt read them into the record:

Provided a scope of work to continue the technical writer services of Camren Cordell.

Received an additional DCR for the Single-level specification. Currently there have been 11 DCRs received for Revision B. Of those, 2 are under evaluation, 5 were accepted, 2 were rejected and 2 were accepted as amended. Accepted as amended means that the working group made some changes to the proposed change.

**7.
Progress Report – Electronics on Trains Working Group – Tom Sisler, SNC-Lavalin:**

Working Group Chair, Tom Sisler was unavailable for today's call, but notified Steve Hewitt that there would be no report today – next update – 11-2-17.

**8.
AAR TAG update – LED on Headlights – Tarek Omar, FRA:**

Tarek Omar, FRA, provided a brief update on the activities of the TAG committee on LED Headlights. He provided some of the history and background on how the effort began (in July) with an SOW – for phase 1 for testing for LED to ensure compliance with FRA requirements. ENSCO was granted the contract, and brought in ESI as a sub-contractor. ESI has an excellent record in testing.

There was a meeting in early September (including LED suppliers) at which testing protocols were established. Two weeks later – mid-September – one of the LED suppliers sent additional elements to be considered. The chair of the LED TAG committee revised the LED testing specs to include those submitted by the OEM. On October 9th all LED TAG committee members will meet to discuss this revised version.

Asked what would be a reasonable timeline for providing the NGEC Technical subcommittee with status updates, Tarek said that he thought monthly updates would be about right.

Steve Hewitt will add this as a standing agenda item for every other bi-weekly call – for now. The next update will take place on 11-2-17.

**9.
Other Issues:**

Mario Bergeron suggested that it was time to get an update on the DEF-UREA as it has been a while and it would be good to hear how the implementation is going.

Steve Hewitt will reach out to Jennifer Bastian to ask if she would be able to provide a progress report on the next call 11-2-17.

Adjourn:

With no further issues to come before the subcommittee today, Mario Bergeron adjourned this conference call meeting at 3:25PM Eastern.

The 10-19-17 Technical SC call is canceled:

Next Call: 11-2-2017 – 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.

ongoing

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 with the number requested and an address to send them to. Revisions to this document are under review by the Finance and Administrative subcommittee with expectations being that the changes will be approved by the subcommittee and submitted to the Executive Board by late October/early November. Missouri DOT graphic arts staff will be making the design revisions. The intent is to have an updated document ready for distribution by the NGEN Annual Meeting in February 2018.

Maintaining Industry Participation List: Status: There are currently **244** registered industry participants. We added one new member over the past two weeks – Steve Rehak – Sumitomo Corp.

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.

TAG committee on LED Headlights – Tarek Omar, FRA, provided a status update and context/background on this TAG committee (see agenda item 8). Tarek has agreed to provide monthly updates.

Next update 11-2-17.

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 (10-5-17).

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 10-5-17:

Provided a scope of work to continue the technical writer services of Camren Cordell.

Received an additional DCR for the Single-level specification. Currently there have been 11 DCRs received for Revision B. Of those, 2 are under evaluation, 5 were accepted, 2 were rejected and 2 were accepted as amended. Accepted as amended means that the working group made some changes to the proposed change.

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.

There was no report today (10-5-17) Next update: 11-2-17

DEF-UREA Update: On 10-5-17, Mario Bergeron suggested that it was time to get an update on the DEF-UREA as it has been a while and it would be good to hear how the implementation is going.

Steve Hewitt will reach out to Jennifer Bastian to ask if she would be able to provide a progress report on the next call 11-2-17.

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 5, 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 9-7-17 | Mario Bergeron |
| 5. Update: Diesel-Electric Locomotive Procurement | Rich Stegner |
| 6. Document Control Update | Steve Hewitt |
| 7. Progress Report: Electronics on Trains Working Group | Tom Sisler |
| 8. Update: AAR - TAG efforts - LED on Headlights | Tarek Omar |
| 9. Other issues | All |
| 10. Review this meeting: | Steve Hewitt |
| a) Decisions | |
| b) New Action Items | |

***Technical Sub Committee Conference Call Meeting:
Thursday 10-5-17 / 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 –11-2-17 at 3:00pm Eastern***