

# SECTION 305 TECH SUB COMM

MINUTES

JULY 11, 2019

3:00PM EASTERN

CONFERENCE CALL

<b>FACILITATOR</b>	<i>George Hull, Vice Chair, NGEN Technical Subcommittee</i>
<b>ATTENDEES</b>	<b>Core Team Members:</b> <i>George Hull for Charlie King, Jeff Gordon, Kyle Gradinger for Momo Tamaoki, Allan Paul, Jennifer Bastian, John Bell for Ray Hessinger, Michael Burshtin, Duncan Copland, Mike Kraft, Art Peterson, Curtis McDowell, Tarek Omar, Larry Salci, Steve Hewitt, <b>Industry Members:</b> Richard Curtis, Paul Jamieson, Dick Bruss, Steve Morrison, Rich Stegner, Paul Arnone, Kevin Myles, James Michel, Adam Saplin, Ed Golitko</i>
<b>ABSENTEES</b>	<i>Charlie King, Ray Hessinger, Marci Petterson, Phil Meraz, Jason Biggs, Mike Jenkins, Eric Curtit, Brian Marquis, Byron Comati, Tammy Krause, David Brabb, Melissa Shurland, Mike Murray, Jeff Schultz</i>

## DISCUSSION/DECISIONS MADE

### 1.

Technical subcommittee Vice Chairman George Hull, Amtrak, called today's meeting to order and asked Steve Hewitt to call the roll.

After calling the roll, Steve Hewitt could not confirm the presence of a quorum, Amtrak, FRA and 4 states were present – a quorum requires Amtrak, FRA and 5 of the 8 member states to be present. It was agreed to continue the meeting, but to table any decisions/votes until the next call (7-25-19)

**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 Action Items that are not on the agenda – Steve Hewitt:**

Status of action items that were not to be specifically covered on the agenda:

**Maintaining Industry Participation List:** Currently, there are 206 registered industry participants.

**Requesting Backgrounder educational document:**

The educational (two-pager) document was released at the Annual Meeting on 2-22-19 and is available in hard copy or electronically. To date, (6-13-19) 240 hard copies and 353 electronic copies have been distributed.

Contact Steve Hewitt at [shewitt109@aol.com](mailto:shewitt109@aol.com). If hard copy, let Steve know where to send them and how many.

**Updating ECP Standards** This ongoing item is being tracked by the Technical subcommittee with status updates provided as activities occur.

Paul Jamieson was not available for this call (5-30-19) but provided the following update which Steve Hewitt read into the record:

#### **ECP Project:**

*The test committee met on May 29, 2019 with some minor edits requested to the final FRA report. The report will be submitted by APTA under docket no. FRA-2015-0078. The report will be made available to the NGEN after APTA submittal. The revenue service demonstration resulted in 1,039,740 ECP fleet miles and 2,126,747 Emulation (BP operation) fleet miles. The total mileage for ECP and emulation was 3,166,541 fleet miles. A total of five incidents were reported the revenue service demonstration. Two incidents were related to electronic hardware, there were no software incidents and three incidents related to training which occurred early in the ECP revenue service demonstration. The hardware incidents have been properly investigated and resolved. The APTA PRESS standards for the emulation 26C configuration and ECP configuration were approved and will be available on the APTA standard website. The equipment provided by New York Air Brake (Knorr) and Wabtec were approved under this project. Draft regulatory language has been prepared and provided to the FRA.*

*Amtrak will continue the revenue service demonstration.*

*In addition to developing the Passenger ECP system, an electronic valve replacement for the 26C service portion was developed.*

*The test committee and APTA PRESS Mechanical technical working group appreciates the support provided by the NGEN. This project would not have been possible without the dedication of Amtrak, APTA, NYAB and Wabtec personnel, and the support of FRA observers.*

*Please advise if you have any questions.*

On 7-11-19, Paul Jamieson reported that all reviews are done, and the report is in the hands of APTA to package the report. Paul has requested that APTA let him know the anticipated date of completion. Once the report is made available, Paul will provide it to Steve Hewitt for distribution to the NGEN members.

#### **Amtrak Equipment Procurement status as of 6-27-19:**

Charlie King reported that Amtrak has extended the deadline for bids on the Amfleet 1 replacement trainsets to November 20, 2019. The extension was requested by the industry and Amtrak agreed.

Amtrak continues to work with the states on other contract issues such as data, facilities and funding.

Next update – 7-25-19

#### **Update: Electronics on Trains Working Group 6-27-19:**

David Brabb was not available for the call, but sent the following update after the call and it is included below:

*The Electronics group met on the 25th. Our survey of the group, meant for us at Sharma to understand what is understood as the goals of the group, and the groups thoughts, on some of our findings has been consolidated, and was sent out for comment within the group. Based on our survey findings, it looks as though we are going to have to revisit the hardware spec 305-919 to make it clearer, and viable. I will have a better understanding after our next meeting on July 16th. Please feel free to contact me with any questions.*

Next Update – 7-25-19

#### **University of Nebraska High Speed Wireless Study – Field Testing – Status as of 6-27-19:**

Hamid was unavailable for this call (6-27-19), but a member of the University team reported that work they are continuing work on developing the field test infrastructure.

Next Update – 7-25-19

#### **4.**

##### **Approval of the Minutes from 6-27-19 – George Hull, Amtrak:**

This item was tabled for consideration on the next call (7-25-19) assuming the presence of a quorum.

#### **5.**

##### **Update: Multi-State Railcar Procurement as of 7-11-19 – Kyle Grading, Caltrans:**

Kyle Grading, Caltrans, provided the following update for inclusion in these minutes (7-11-19):

*All FDR System Level and related submittal approvals for the standard coach are at a Conditional Approval level or greater. The Updated IDOT Galley PDR has been approved and the galley mock-up review is scheduled for October 2019. The Cab Car Electrical System IDR occurred on June 28 and the Brake System IDR is scheduled for September.*

*The first 25 carshells are in production at Siemens Sacramento Facility. Interior work on Carshell #1 continues with installation of ceiling panels and luggage racks. Static electrical testing is complete on Carshell #2 and restoration of interior wiring connections continue. Interior wiring, cabling and doors are being installed on Carshell #4. Interior panels are being installed on Carshells #5 and 6.*

*Floor support and windows have been installed on Carshell #7. Carshell #8 has had floor supports and insulation installed. Carshells*

9 through 25 are in various stages of welding, integration, painting or storage.

The FAI process continues and most system-level FAIs have occurred. Recently completed FAIs include Exterior Doors and Electrical Switch Cabinets. The FAIs for Vestibule Lining and Trap Door are scheduled for late July. A demonstration of the wheelchair lift is also currently planned for July 25. The IDOT End Door FAI is scheduled for August 15<sup>th</sup>.

The complete vehicle FAI and preparation for the sample car inspection is tentatively planned for September 17. SCOA and Siemens continue to work with CALIDOT SMEs to address the FAI open items.

**6.**

**Update: Metro-North Dual Mode Locomotive Procurement – John Bell, NYSDOT:**

John Bell, NYSDOT reported that Metro-North had several meetings this week, but he did not have a status update to provide as Ray Hessinger was not available today (7-11-19).

Next update – 7-25-19.

**7.**

**Document Control Update – Tammy Krause, NGEN DCM:**

Tammy Krause was unavailable today (7-11-19) – Steve Hewitt provided the most recent update given to the Executive Board by Tammy on 7-2-19:

*The first group of proposed changes to the Trainset Specification have been sent to the Technical Subcommittee members. I have asked for comments on these DCRs to be sent to me by July 12. I will be sending out a second group of proposed changes to the TSC later this month and will be requesting that any comments be sent to me by the end of July. I will then put all comments together and submit them to the TSC for discussion at the 8/8 meeting followed by acceptance or rejection at the 8/22 meeting. The accepted DCRs will then be submitted to the EB and can be discussed at the 8/26 meeting. The EB can then request Larry Salci to review the changes and call for the review panel.*

**8.**

**Status: AAR TAG Committee on LED Headlights – phase 3 and 4 – Tarek Omar, FRA:**

On 7-11-19, Tarek Omar reported that the procurement has been submitted and is awaiting final approval. Tarek expects that it will be awarded in the next 3-4 weeks.

**9.**

**Other Issues:**

With no further business forthcoming for today's call, George Hull adjourned the meeting at 3:15pm Eastern.

**Next Call: 7-25-2019– 3:00pm Eastern**

**Decisions and Action Items**

**Updating ECP Standards** This is an ongoing item which the Technical subcommittee is tracking:

On 5-30-19, Paul Jamieson provided the following update for inclusion in the minutes:

**"ECP Project:**

*The test committee met on May 29, 2019 with some minor edits requested to the final FRA report. The report will be submitted by APTA under docket no. FRA-2015-0078. The report will be made available to the NGEN after APTA submittal. The revenue service demonstration resulted in 1,039,74 ECP fleet miles and 2,126,747 Emulation (BP operation) fleet miles. The total mileage for ECP and emulation was 3,166,541 fleet miles. A total of five incidents were reported the revenue service demonstration. Two incidents were related to electronic hardware, there were no software incidents and three incidents related to training which occurred early in the ECP revenue service demonstration. The hardware incidents have been properly investigated and resolved. The APTA PRESS standards for the emulation 26C configuration and ECP configuration were approved and will be available on the APTA standard website. The equipment provided by New York Air Brake (Knorr) and Wabtec were approved under this project. Draft regulatory language has been prepared and provided to the FRA.*

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On 7-11-19, Paul Jamieson reported that all reviews are done, and the report is in the hands of APTA to package the report. Paul has requested that APTA let him know the anticipated date of completion. Once the report is made available, Paul will provide it to Steve Hewitt for distribution to the NGEC members.

**Requesting Backgrounder educational document:**

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**Maintaining Industry Participation List: Status:** There are currently 206 industry participation members.

**AAR TAG Committee on LED Headlights Phase 3:**

On 5-30-19, Tarek Omar reported that "we are close to getting the contract in place for Phase 3 and 4...hopefully by the end of the week. On the FRA side of things, all is going well."

On 7-11-19, Tarek Omar reported that the procurement has been submitted and is awaiting final approval. Tarek expects that it will be awarded in the next 3-4 weeks.

**PRIIA Multi-State Procurement Update:**

**Multi-State Car Procurement - Caltrans (Lead State):** Progress reports from the lead state will be provided on each subcommittee call.

See agenda item 5 for 7-11-19 update

**Document Control Update as of 7-11-19:**

Tammy Krause was unavailable today (7-11-19) – Steve Hewitt provided the most recent update given to the Executive Board by Tammy on 7-2-19:

*The first group of proposed changes to the Trainset Specification have been sent to the Technical Subcommittee members. I have asked for comments on these DCRs to be sent to me by July 12. I will be sending out a second group of proposed changes to the TSC later this month and will be requesting that any comments be sent to me by the end of July. I will then put all comments together and submit them to the TSC for discussion at the 8/8 meeting followed by acceptance or rejection at the 8/22 meeting. The accepted DCRs will then be submitted to the EB and can be discussed at the 8/26 meeting. The EB can then request Larry Salci to review the changes and call for the review panel.*

All members are reminded to submit comments on the first set of DCRs to Tammy Krause by 7-12-19.

**Electronics on Trains Working Group – 6-27-19:**

David Brabb was not available for the call on 6-27-19, but sent the following update after the call and it is included below:

*The Electronics group met on the 25th. Our survey of the group, meant for us at Sharma to understand what is understood as the goals of the group, and the groups thoughts on some of our findings has been consolidated, and was sent out for comment within the group.?? Based on our survey findings, it looks as though we are going to have to revisit the hardware spec 305-919 to make it clearer, and viable. I will have a better understanding after our next meeting on July 16th. Please feel free to contact me with any questions.*

Next update: 7-25- 19

**DEF-UREA Update:**

On 11-15-18, Art Peterson provided the following brief update on DEF-UREA implementation:

*The DEF update is very straight-forward – there have been no issues in the supply of DEF at any of the locations on the Midwest "Hub" network. It is all working very smoothly.*

Next update – as appropriate.

**University of Nebraska High Speed wireless study:**

Hamid was unavailable for this call (6-27-19), but a member of the University team reported that work they are continuing work on developing the field test infrastructure.

Next update – 7-25-19

**Metro North Dual Mode Locomotive Procurement as of 7-11-19:**

Metro-North is currently doing its due diligence in reviewing submissions received from vendors, and it remains on schedule for selection this year.

On 7-11-19 no new update was provided.

Next update – 7-25-19

**Amtrak Equipment Procurement – Charlie King, Amtrak:**

On 6-27-19, Charlie King reported that Amtrak has extended the deadline for bids on the Amfleet 1 replacement trainsets to November 2019. The extension was requested by the industry and Amtrak agreed.

Amtrak continues to work with the states on other contract issues such as data, facilities and funding.

Next update – 7-25-19

**Next call: 7-25-19**

**Call in number is:**

**888 585-9008 access #: 559-120-127**

**ATTACHMENTS**



***Our Vision: The NGEC will provide national leadership in standardization, acquisition, and management of passenger rail equipment.***

**PRIIA Section 305 Tech Sub Committee Meeting**

**July 11, 2019**

The agenda for the meeting is below:

- |   |               |
|---|---------------|
| 1. Roll Call  | Steve Hewitt  |
| 2. Review Meeting Agenda  | George Hull   |
| 3. Review Action Items  | Steve Hewitt  |
| 4. Approve Minutes from 6-27-19   | George Hull   |
| 5. Update: Multi-State Rail Car Procurement                               | Momo Tamaoki  |
| 6. Update: Metro-North Dual Mode Locomotive Procurement                   | Ray Hessinger |
| 7. Update: Document Control   | Tammy Krause  |
| a. Trainset Specification – overview DCrs/Technical working group actions |               |
| b. Timeline – Technical subcommittee review/consideration of approval     |               |
| c. Technical working Group member lists                                   |               |
| 8. Status: AAR TAG Committee on LED Headlights Phase 3 and 4              | 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 7-11-19 / 3:00pm Eastern / 1-888 585-9008 / passcode 559-120-127#  
Please call in a few minutes early so all is in attendance for Roll Call.  
Thank you  
Next Call –7-25-19 at 3:00pm Eastern***