

# SECTION 305 TECH SUB COMM

MINUTES

JULY 25, 2019

3:00PM EASTERN

CONFERENCE CALL

<b>FACILITATOR</b>	<i>Charlie King, Chair, NGENC Technical Subcommittee</i>
<b>ATTENDEES</b>	<b>Core Team Members:</b> <i>Charlie King, Momo Tamaoki, Curtis McDowell for Allan Paul, Ray Hessinger, Jennifer Bastian, Jeff Schultz for Marci Petterson, Eric Curtit, Andrew Wood for Jason Biggs, Michael Burshtin, Mike Kraft, Tammy Krause, Larry Salci, Steve Hewitt, Industry Members:</i> <i>Richard Curtis, Paul Jamieson, Steve Morrison, Rich Stegner, Ed Golitko, Jon Mullin, Bill Saddler, Jon Michel, Jack Madden, Kirk Klug, Hamid Sharif-Kashani</i>
<b>ABSENTEES</b>	<i>Jeff Gordon, George Hull, Marci Petterson, Phil Meraz, Jason Biggs, Mike Jenkins, Duncan Copland, Brian Marquis, Byron Comati, David Brabb, Melissa Shurland, Mike Murray, Tarek Omar, John Bell</i>

## DISCUSSION/DECISIONS MADE

<p><b>1.</b> Chairman King, Amtrak, called today's meeting to order and asked Steve Hewitt to call the roll.</p> <p>After calling the roll, it was determined that a quorum could not be established due to the absence of representation by FRA. It was agreed that the call should go on as scheduled and minutes would be taken, but there would be no votes or decisions made.</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 Action Items that are not on the agenda – Steve Hewitt:</b></p> <p>Status of action items that were not to be specifically covered on the agenda:</p> <p><b>Maintaining Industry Participation List:</b> Currently, there are 207 registered industry participants.</p> <p><b>Requesting Backgrounder educational document:</b></p> <p>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, (7-24-19) 265 hard copies and 353 electronic copies have been distributed.</p> <p>Contact Steve Hewitt at <a href="mailto:shewitt109@aol.com">shewitt109@aol.com</a>. If hard copy, let Steve know where to send them and how many.</p> <p><b>Updating ECP Standards</b> This ongoing item is being tracked by the Technical subcommittee with status updates provided as activities occur.</p> <p>Paul Jamieson was not available for this call (5-30-19) but provided the following update which Steve Hewitt read into the record:</p> <p><b>ECP Project:</b></p> <p><i>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 NGENC 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.</i></p> <p><i>Amtrak will continue the revenue service demonstration.</i></p> <p><i>In addition to developing the Passenger ECP system, an electronic valve replacement for the 26C service portion was developed.</i></p>

*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.

Nothing new to report for today – 7-25-19

**4. Approval of the Minutes from 6-27-19 and 7-11-19 – Charlie King, Amtrak:**

Due to FRA's absence, the presence of a quorum was not established, thus no votes were taken and the approval of the minutes from the previous two calls was tabled.

**5. Update: Multi-State Railcar Procurement as of 7-25-19 Momo Tamaoki, Caltrans:**

Momo Tamaoki, Caltrans, provided the following update for inclusion in these minutes (7-25-19):

*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 IDOT Café Car IDR is scheduled for the week of September 2 in Sacramento. Action items for the Cab Car PDRs are in work and the Cab Car Brake System IDR is scheduled for September.*

*The first 27 carshells are in production at Siemens Sacramento Facility. Trucks on Carshell #1 have been updated to the requested legacy piping configuration and the car is being prepared for static testing. Wiring, ducting and ceiling supports installation continues on Carshell #2. Interior work continues on Carshell #3 with wiring, toilet module and ceiling supports. Wiring and toilet module assembly also continues on Carshell #4. Interior work is in process on Carshells #5 and 6. The underframe and cable tray has been installed and cable routing and piping continues on Carshells #7 and 8. Carshells 9 through 27 are in various stages of component installation, welding, integration, painting or storage.*

*The FAI process continues and most system-level FAIs have occurred. The FAIs for Vestibule Liners and Trap Door are occurring this week. The End Door FAI is scheduled for the last week of August. The complete Coach Car FAI and Sample Car Inspection are scheduled for Mid-September or Early October. SCOA and Siemens continue to work with CALIDOT SMEs to address the FAI open items.*

**6. Update: Metro-North Dual Mode Locomotive Procurement – Ray Hessinger, NYSDOT:**

Ray Hessinger reported that Metro-North continues to evaluate the vendor proposals received is going through that process.

**7. Update: Amtrak Equipment Procurement – Charlie King, Amtrak:**

Charlie King reported:

On the Locomotive Procurement:

The procurement is on track – in fact it may be a bit accelerated. Still anticipating a 2021 delivery – with early summer of 2021 for the first Locomotive delivery.

On the Trainset procurement:

As noted on a previous call, the date for OEM bids has been extended until November 20, 2019 with selection anticipated to occur in February 2020.

**8.**

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

Tammy Krause provided the following update for inclusion in today's (7-25-19) minutes:

*The first group of proposed changes to the Trainset Specification have been sent to the Technical Subcommittee members. I have received a few comments on these DCRs. I will be sending out a second group of proposed changes to the TSC this week. After I receive comments on these, I will consolidate the comments 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.*

**9. Status: Electronics on Trains Working Group – Steve Hewitt for David Brabb:**

David Brabb provided the following update which were read into the record by Steve Hewitt:

*The only thing to report from the NGEC Electronics sub-committee is that we had a call on July 16th and are revisiting 305-919 to make some minor edits. that should help folks to follow the specification. Our next subcommittee web-call is planned for August 6th.*

**10. Status Update: University of Nebraska High Speed Wireless Study – Field Testing – Hamid Sharif-Kashani:**

Hamid Reported that, as noted on previous calls, they have completed the computer simulation model and performance evaluation and conducted some lab testing.

They are in the process of preparing for field testing. They are assembling their own test equipment. They have acquired the equipment and will evaluate it before taking it out for field testing.

On the next update Hamid will inform the subcommittee on how the testing is going.

**9. Other Issues:**

With no further business forthcoming for today's call, Charlie King adjourned the meeting at 3:22pm Eastern.

**Next Call: 8-8-2019– 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 NGEC 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.*

*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 NGEC. This project would not have been possible without the dedication of Amtrak, APTA, NYAB and Wabtec personnel, and the support of FRA*

observers. "

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 NGENC members.

Nothing new to report on 7-25-19

**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, (7-25-19) 265 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.

**Maintaining Industry Participation List: Status:** There are currently 207 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.

Next update 8-8-19

**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 7-25-19 update

**Document Control Update as of 7-25-19:**

Tammy Krause provided the following update for inclusion in today's minutes (7-25-19):

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**Electronics on Trains Working Group – 7-25-19:**

David Brabb was not available for the call on 7-25-19, but sent the following update:

The NGENC Electronics on Trains working Group held a call on July 16th and is revisiting 305-919 to make some minor edits. This will should help members to follow the specification. The net web-call is planned for August 6th.

Next update: 8-22- 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:**

They have completed the computer simulation model and performance evaluation and conducted some lab testing.

They are in the process of preparing for field testing. They are assembling their own test equipment. They have acquired the equipment and will evaluate it before taking it out for field testing.

On the next update Hamid will inform the subcommittee on how the testing is going.

Next update – 8-22-19

**Metro North Dual Mode Locomotive Procurement as of 7-25-19:**

Metro-North continues to evaluate the vendor proposals received is going through that process.

Next update – 8-22-19

**Amtrak Equipment Procurement as of 7-25-19:**

On the Locomotive Procurement:

The procurement is on track – in fact it may be a bit accelerated. Still anticipating a 2021 delivery – with early summer of 2021 for the first Locomotive delivery.

On the Trainset procurement:

As noted on a previous call, the date for OEM bids has been extended until November 20, 2019 with selection anticipated to occur in February 2020.

Next update – 8-22-19

**Next call: 8-8-19**

**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 25, 2019**

The agenda for the meeting is below:

- |                          |              |
|--------------------------|--------------|
| 1. Roll Call             | Steve Hewitt |
| 2. Review Meeting Agenda | Charlie King |

- |  |                      |
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| 3. Review Action Items   | Steve Hewitt         |
| 4. Approve Minutes from 6-27-19 and 7-11-19  | Charlie King         |
| 5. Update: Multi-State Rail Car Procurement  | Momo Tamaoki         |
| 6. Update: Metro-North Dual Mode Locomotive Procurement  | Ray Hessinger        |
| 7. Update: Amtrak Equipment Procurement  | Charlie King         |
| 8. Update: Document Control  | Tammy Krause         |
| a. Status update on Trainset Specification - Summaries of Changes  |                      |
| b. Timeline – Technical subcommittee review/consideration of approval/<br>submittal to NGECE Executive Board |                      |
| c. Finalizing Technical Working Group member lists   |                      |
| 9. Status Update: Electronics on Trains Working Group  | David Brabb          |
| 10. Status Update: University of Nebraska High Speed Wireless Study – Field Testing                          | Hamid Sharif-Kashani |
| 11. Other issues   | All                  |
| 12. Review this meeting:   | Steve Hewitt         |
| a) Decisions   |                      |
| b) New Action Items  |                      |

***Technical Sub Committee Conference Call Meeting:  
Thursday 7-25-19 / 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 –8-8-19 at 3:00pm Eastern***