

# SECTION 305 TECH SUB COMM

MINUTES

JUNE 13, 2019

3:00PM EASTERN

CONFERENCE CALL

<b>FACILITATOR</b>	<i>Charles King, Chair, NGENC Technical Subcommittee</i>
<b>ATTENDEES</b>	<b>Core Team Members:</b> <i>Charlie King, Jeff Gordon, Jon Mullin for Momo Tamaoki, Allan Paul, Jeff Schultz for Marci Petterson, Art Peterson for Jennifer Bastian, Eric Curtit, Phil Meraz, Michael Burshtin, Mike Kraft, Curtis McDowell, Tarek Omar, Mike Murray, Steve Hewitt, Industry Members:</i> <i>Richard Curtis, Jack Madden, Ed Golitko, Martin Bloedt, Rich Stegner, James Michel, Donald Sandala, Steve Morrison, Joe Kenas, Steve Ojalvo, Paul Arnone, Hamid Sharif-Kashani, Jonathan Michel, Walt Stringer</i>
<b>ABSENTEES</b>	<i>Momo Tamaoki, Ray Hessinger, Marci Petterson, Jennifer Bastian, Jason Biggs, Mike Jenkins, John Bell, Brian Marquis, Byron Comati, Bernard Reynolds, Harry Garforth, Anand Prabhakaran, Larry Salci, Tammy Krause, David Brabb, Melissa Shurland, Duncan Copland,</i>

## DISCUSSION/DECISIONS MADE

**1.**

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

After calling the roll, Steve Hewitt confirmed the presence of a quorum.

**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 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.*

*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.*

*Please advise if you have any questions.*

No update for 6-13-19

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

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.”

Next update 6-27-19

**4. Approval of the Minutes from 5-30-19 – Charlie King, Amtrak:**

On a motion offered by Phil Meraz, Iowa DOT, and seconded by Eric Curtit, Missouri DOT, the minutes from 5-30-19 were approved as presented.

**5. Update: Multi-State Railcar Procurement as of 6-13-19 – Jon Mullin for Momo Tamaoki, Caltrans:**

Jon Mullin provided the following update to be included in the minutes (6-13-19):

*All FDR System Level and related submittal approvals for the standard coach are at a Conditional Approval level or greater. The IDOT Café Car is being reconfigured to meet the new design requests. Updates to the design include ATR Toilet Room, new standing table design, additional storage and an alternate refrigeration concept.*

*Action items from the Caltrans Cab Car Coupler, Carshell and Cab Layout reviews have been distributed and are in process with Siemens Engineering team. The intermediate design review for the Cab Car Electrical System is scheduled for June 28.*

*The first 21 carshells are in production at Siemens Sacramento Facility. Carshells #1 and #2 are in the final assembly phase. Carshell #3 is ready for Water Testing. Interior Insulation and window side panels have been installed in Carshell #4. Underframe cabling and piping continues in Carshell #5. Carshell #7 is staged for final assembly. Carshells 8 through 21 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 FAI for Vestibule Lining is scheduled for July 21<sup>st</sup>. A complete vehicle FAI is tentatively planned for August or September. Siemens continues to work with CALIDOT SMEs to address the open items.*

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

On the Locomotives: The contract with Siemens is going on as planned.

On the passenger trainset: Amtrak continues to work with its state partners on SAIPRC. Initial bids in response to the RFP have been received and are being reviewed. Charlie noted that he anticipates that there will be adjustments to the RFP.

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

No update report was provided for this call.

**8. Document Control Update – Steve Hewitt for Tammy Krause, NGEC DCM:**

Tammy Krause provided the following update for inclusion in today’s minutes (6-13-19). In Tammy’s absence, Steve Hewitt read them into the record:

*Revision B2 of the single level specification is now available by requesting it through the NGEC website.*

Next week I will be sending out the proposed changes to the Trainset specification to the entire technical subcommittee for their comments. This will include all the DCRs that have been either accepted or rejected by the working groups. I will request that any comments be received within two weeks. I will then send all the comments to the TSC for discussion.

All technical working group leaders are happy to continue, and I am waiting on one final membership list.

**9.**

**Update: Electronics on Trains – Steve Hewitt for David Brabb, Sharma-Associates:**

David Brabb provided the following brief update, read into the record by Steve Hewitt:

*I'm still collecting information from the Electronics subcommittee. Had a call on Tuesday. Nothing to report yet. Our next meeting is June 25.*

**10.**

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

Hamid lost connection during the call today (6-13-19), but provided the following brief update after the call. He will provide more detail on the next subcommittee call – 6-27-19:

*For my brief report, we are busy with writing our test cases for the 4G and 5G field tests for our high-speed wireless network. In parallel we are researching the right equipment and tools for our tests. With the 5G, some of the equipment are still not available and we try to build these in our lab. I will provide more details in the next call.*

**11.**

**Other Issues:**

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

**Next Call: 6-27-2019– 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. "*

No Update on 6-13-19

**Requesting Backgrounder educational document:**

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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 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."

Next update 6-27-19

**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 6-13-19 update

**Document Control Update as of 6-13-19:**

Tammy Krause provided the following update for inclusion in today's minutes (6-13-19). In Tammy's absence, Steve Hewitt read them into the record:

*Revision B2 of the single level specification is now available by requesting it through the NGENC website.*

*Next week I will be sending out the proposed changes to the Trainset specification to the entire technical subcommittee for their comments. This will include all the DCRs that have been either accepted or rejected by the working groups. I will request that any comments be received within two weeks. I will then send all the comments to the TSC for discussion.*

*All technical working group leaders are happy to continue, and I am waiting on one final membership list.*

**Electronics on Trains Working Group – 6-13-19:**

David Brabb provided the following brief update, read into the record by Steve Hewitt:

*I'm still collecting information from the Electronics subcommittee. Had a call on Tuesday. Nothing to report yet. Our next meeting is June 25.*

Next update: 6-27-19

**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 lost connection during the call today (6-13-19), but provided the following brief update after the call. He will provide more detail on the next subcommittee call – 6-27-19:

*For my brief report, we are busy with writing our test cases for the 4G and 5G field tests for our high-speed wireless network. In parallel we are researching the right equipment and tools for our tests. With the 5G, some of the equipment are still not available and we try to build these in our lab. I will provide more details in the next call.*

Next update – 6-27-19

**Metro North Dual Mode Locomotive Procurement as of 6-13 -19:**

There was no report provided on 6-13-19.

Next update – 6-27-19

**Amtrak Equipment Procurement 6-13-19:**

On the Locomotives: The contract with Siemens is going on as planned.

On the passenger trainset: Amtrak continues to work with its state partners on SAIPRC. Initial bids in response to the RFP have been received and are being reviewed. Charlie noted that he anticipates that there will be adjustments to the RFP.

Next update – 7-11-19

**Next call: 6-27-19**

**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**

**June 13, 2019**

The agenda for the meeting is below:

- |   |               |
|---|---------------|
| 1. Roll Call  | Steve Hewitt  |
| 2. Review Meeting Agenda                                | Charles King  |
| 3. Review Action Items                                  | Steve Hewitt  |
| 4. Approve Minutes from 5-30-19                         | Charles King  |
| 5. Update: Multi-State Rail Car Procurement             | Momo Tamaoki  |
| 6. Update: Amtrak Equipment Procurement                 | Charlie King  |
| 7. Update: Metro-North Dual Mode Locomotive Procurement | Ray Hessinger |

8. Update: Document Control Tammy Krause
- Status: Technical Working Groups review of Single Level Trainset Specification DCRs for Revision update – anticipated timeline for Tech SC Review/approval  
Status: Verifying/updating all Technical working group member lists and team leaders  
Update: Completion of Single Level Car 305-003 Revision B.2 – now available
9. Status Update: Electronics on Trains Working Group David Brabb
10. Status Update: University of Nebraska High Speed Wireless Study – Field Testing Hamid Rashid Kashani
11. Other issues All
12. Review this meeting: Steve Hewitt
- a) Decisions
  - b) New Action Items

***Technical Sub Committee Conference Call Meeting:***  
***Thursday 6-13-19 / 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 –6-27-19 at 3:00pm Eastern***