

SECTION 305 TECH SUB COMM

MINUTES

OCTOBER 17, 2019 3:00PM EASTERN

CONFERENCE CALL

FACILITATOR	<i>Charlie King, Chair, NGENC Technical Subcommittee</i>
ATTENDEES	Core Team Members: <i>Charlie King, Jeff Gordon, Allan Paul, Momo Tamaoki, Jennifer Bastian, Eric Curtit, Phil Meraz, Mike Jenkins, Charlie Poltenson, Michael Burshtin, Duncan Copland, Mike Kraft, Melissa Shurland, Mike Murray, Larry Salci, Tammy Krause, Steve Hewitt, Industry Members:</i> <i>Richard Curtis, Paul Jamieson, Richard Stegner, Robbie Brownell, Josh Coran, Jack Madden, Ed Golitko, Tom LaMano, Michael Jensen</i>
ABSENTEES	<i>George Hull, Ray Hessinger, Marci Petterson, Jason Biggs, John Bell, Jeff Schultz, Brian Marquis, David Brabb, Curtis McDowell, Art Peterson, Tarek Omar</i>

DISCUSSION/DECISIONS MADE

1.

Chairman 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.

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 210 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, (10-3-19) 265 hard copies and 356 electronic copies have been distributed.

Contact Steve Hewitt at 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.

ECP Project as of 10-17-19:

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 NGENC. 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 NGEC members.

Nothing new to report on 10-17-19.

Amtrak Equipment Procurement Status as of 10-3-19:

On the Acela 21:

There is photo evidence of a 9-car trainset with one power car. The second power car is expected this week and Trainset 1 will proceed for testing at TTCI. Trainset 2 will be tested on the NEC.

On the Charger locomotive:

The process continues to move forward with the Amtrak/OEM relationship growing. On track for delivery in Spring 2021.

On the Trainset procurement:

This procurement remains on track for submission of bids in November.

On the procurement for Amtrak Yard and Maintenance of Way Engines:

This effort is to replace the yard and maintenance of way engines in and around the NEC. It is moving forward with the intent being to replace all of the yard engines, some of which are up to 60 years old, with better equipment – tier compliant and HEP. Bids from this procurement are due in during this month (October). If not enough responses, more time may be provided.

Next Update – 10-31-19

University of Nebraska High Speed Wireless Study Status as of 10-3-19:

On 10-3-19, Hamid Sharif-Kashani reported that they have been working on their own set up for 5G High-Speed Wireless communication. They designed their own set-up – came up with specifications for 5G and tested it in the lab. The tests were very positive. The next step is to take it to the field for testing. This testing will begin in the parking lot and extend eventually to working with UP.

Overall, the 5G hardware is working well and they are following their communication protocol and are ready for field testing. Hamid will provide a report on the field testing on the next scheduled update for the technical subcommittee (10-31-19).

For further details please contact Hamid via email at: hamidsharif@unl.edu

Next update – 10-31-19

4. Approval of the Minutes from 10-3-19 – Charlie King, Amtrak:

On a motion offered by Allan Paul, NCDOT, and seconded by Charlie Poltenson, NYSDOT, the minutes from 10-3-19 were approved as presented.

5. Update: Multi-State Railcar Procurement as of 10-17-19 - Momo Tamaoki, Caltrans:

Momo Tamaoki, Caltrans, provided the following update for inclusion in the minutes (10-17-19):

All FDR System Level and related submittal approvals for the standard coach are at a Conditional Approval level or greater. Cab Car PDR action items are addressed, and approval is in process.

The Café Galley Mock-Up was held in Roseville, Michigan, on October 1st-3rd.

The first 33 carshells are in production at Siemens' Sacramento Facility. Carshells 1 and 2 have shipped to Pueblo and are being

prepared for testing at TTCI. Carshell #3 has completed static testing and returned to production for finalization before shipment for climate room and NEC testing. Carshell # 4 has begun static testing. The remaining carshells are in various stages of component installation, welding, integration, painting or storage.

The FAI process continues and most system-level FAIs for standard coach are complete. The FRA Sample Car Inspection occurred on September 18th. The overall car FAI is scheduled for November 13. A functional wheelchair lift demonstration occurred at Ricon on Tuesday, October 15.

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

Ray Hessinger was unavailable – but Steve Hewitt reported that on 10-8-19 Ray updated the Executive Board with the following: Metro-North continues to work towards a conforming specification and supporting documents – “getting close”.

7. Update: Electronics on Trains Working Group – David Brabb:

David Brabb was not on today’s call (10-17-19), and no report was provided. This item was tabled until the next call (10-31-19), and Tammy Krause agreed to reach out to David to “check in” on where things stand.

8. Update: AAR TAG Committee on LED Headlights – Phase 3 – Tarek Omar, FRA:

Tarek Omar was unavailable – this item was tabled until the next call (10-31-19)

9. Document Control Update – Tammy Krause, NGEC DCM:

Tammy Krause provided the following update for inclusion in the minutes (10-17-19):

Document control has been very quiet this month. The only thing I have to report is that the Review Panel meeting for the trainset spec Rev B will be held this afternoon (10-17-19). If the Review Panel approves the proposed changes, then they will recommend to the Executive Board that the specification update be approved. At that point the Executive board will vote to approve Revision B. After that happens, I will have the new version of the train set specification compiled.

10. Other Issues:

With no further business forthcoming for today’s call, Charlie King adjourned the meeting at 3:13PM Eastern.

Next Call: 10-31-2019– 3:00pm Eastern

Decisions and Action Items

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

"ECP Project:

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Maintaining Industry Participation List: Status: There are currently 210 industry participation members.

AAR TAG Committee on LED Headlights Phase 3:

On 8-8-19, Tarek Omar reported that the report has been provided to Ensco to finalize the test protocol with TTCI to be ready to begin the testing.

Next update 10-17-19

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 10-17-19 update

Document Control Update as of 10-17-19:

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Electronics on Trains Working Group as of 10-17-19:

Last Report Provided August 22, 2019:

The electronics subcommittee met had a call on Tuesday, August 20th. We internally edited 305-919 DTL hardware specification and I submitted it to the group for review and comment to be returned to me no later than September 6th. Our next call is planned for September 17th.

David Brabb was not on the call on 10-17-19 – no report was provided. Tammy Krause will follow up with David Brabb to check in on the status of the working group's activities.

Next update: 10-31-19

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:

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Next Update – 10-31-19

Metro North Dual Mode Locomotive Procurement as of 10-17-19:

Ray Hessinger was unavailable – but Steve Hewitt reported that on 10-8-19 Ray updated the Executive Board with the following:

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Next update – 11-14-19

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Next Update 10-31-19

Next call: 10-31-19

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

October 17, 2019

The agenda for the meeting is below:

- | | |
|---|---------------|
| 1. Roll Call | Steve Hewitt |
| 2. Review Meeting Agenda | Charlie King |
| 3. Review Action Items | Steve Hewitt |
| 4. Approve Minutes from 10-3-19 | Charlie King |
| 5. Update: Multi-State Rail Car Procurement | Momo Tamaoki |
| 6. Update: Metro-North Dual Mode Locomotive Procurement | Ray Hessinger |
| 7. Update: Electronics on Trains Working Group | David Brabb |
| 8. AAR TAG Committee on LED Headlights Phase 3: | Tarek Omar |
| 9. Update: Document Control Management | Tammy Krause |
| 10. Other issues | All |
| 11. Review this meeting: | Steve Hewitt |
| a) Decisions | |
| b) New Action Items | |

***Technical Sub Committee Conference Call Meeting:
Thursday 10-17-19 / 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 –10-31-19 at 3:00pm Eastern***