

SECTION 305 TECH SUB COMM

MINUTES

OCTOBER 31, 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, Mike Jenkins, Ray Hessinger, Charlie Poltenson, Marci Petterson, Michael Burshtin, Duncan Copland, Mike Kraft, Jeff Schultz, Art Peterson, Curtis McDowell, Larry Salci, Tammy Krause, Dave "Emeritus" Warner, Steve Hewitt</i> Industry Members: <i>Richard Curtis, Paul Jamieson, Richard Stegner, Robbie Brownell, Josh Coran, Jack Madden, Ed Golitko, Steve Morrison, Donald Sandala, Joe Kenas, Paul Arnone, James Michel, Craig McKeen</i>
ABSENTEES	<i>George Hull, Phil Meraz, Eric Curtit, Jason Biggs, John Bell, Mike Murray, Melissa Shurland, Tarek Omar, Brian Marquis, David Brabb, Hamid Sharif-Kashani</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, (10-31-19) 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 10-31-19:

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 10-31-19.

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 – 11-14-19

4. Approval of the Minutes from 10-17-19 – Charlie King, Amtrak:

On a motion offered by Allan Paul, NCDOT, and seconded by Jennifer Bastian, IDOT, the minutes from 10-17-19 were approved as presented.

5. Update: Multi-State Railcar Procurement as of 10-31-19 - Momo Tamaoki, Caltrans:

Momo Tamaoki, Caltrans, provided the following update for inclusion in the minutes (10-31-19):

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-3^d. The Complete Coach FAI is scheduled for November 13 – 14 in Sacramento.

The first 34 carshells are in production at Siemens Sacramento Facility. Cars 1 and 2 have shipped to Pueblo for testing at TTCI and are being prepared for the various procedures. EMI testing is scheduled for week of November 4. Car #3 has been shipped to the environmental testing facility in Ottawa. Carshell #4 has completed static testing and is in preparation for First Car FAI. 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. Cab Car Structure IDR documents have been submitted and are in review. The IDR meeting is scheduled for December 11 – 12.

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

Ray Hessinger, NYSDOT, reported that Metro-North continues to work with vendors on the dual mode locomotive procurement.

7.

Update: Electronics on Trains Working Group (as of 10-31-19)– Steve Hewitt for David Brabb:

On 10-31-19, David Brabb provided the following update for inclusion in today's minutes. They were read into the record by Steve Hewitt:

We in the Electronics working group had a call on Tuesday, October 29th. We at Sharma are using the group's feedback and our recommendations to develop a Revision A to the PRIIA 305-919 hardware spec. We are also going to complete a first draft of a spec for WIDTL in the next month or so. We will then submit these docs to our subcommittee for review and comment and work with the subcommittee to get these two documents completed within the next few months, so that we can get something out there for industry use.

8.

Update: University of Nebraska High-Speed Wireless Study – Hamid-Sharif Kashani:

Hamid Sharif-Kashani was unavailable today (10-31-19) but provided the following brief update which Steve Hewitt read into the meeting record:

We are making a good progress in our testing of high- speed wireless system and I hope to have full details for the next meeting.

9.

Update: AAR TAG Committee on LED Headlights – Phase 3 – Eric Sherrock, Ensco for Dr. Tarek Omar, FRA:

On 10-31-19, on behalf of Dr. Tarek Omar, FRA – Eric Sherrock, Ensco, provided the following update – (read into the record by Steve Hewitt):

The test plan has been developed in cooperation with FRA and the AAR Locomotive Committee LED Standard Development TAG. Phase III testing, which will focus on the performance of selected light fixtures on moving locomotives, will be started during the week of November 11 at the Transportation Technology Center. We will offer additional updates as information is available.

If you need any additional information, please contact Sean Woods (woods.sean@ensco.com).

10.

Document Control Update – Tammy Krause, NGEC DCM:

Tammy Krause provided the following update for inclusion in the minutes (10-31-19):

I am happy to announce that the Trainset Revision B was approved by the Executive Board on 10-22-19. I am in the process of final formatting the approved DCRs and then the Revision B will be compiled.

11.

Preparing for the 10th NGEC Annual Meeting – February 2020 – Steve Hewitt, NGEC Program Manager:

Steve Hewitt reported that the NGEC's 10th Annual Meeting will take place at the Hyatt Regency, Capitol Hill in Washington, DC. (the same hotel where it was last year and most years). Right now, the NGEC meeting is scheduled to take place on Friday, 2-21-20. A formal announcement will be sent out by Steve Hewitt, along with the hotel room block information, in the coming days. A draft meeting agenda is being developed and will be presented to the NGEC Executive Board for its review.

More to follow...

12.

TRB Session – "The NGEC – 10 Years of Progress" January 14, 2020 – Steve Hewitt:

As information, Steve Hewitt reported that TRB's Passenger Rail Equipment Committee, working with the NGEC Executive Board, has developed a session to be held during the TRB meetings in DC during TRB week in January 2020. This will be a Lectern Session entitled: "The NGEC – 10 Years of Progress" and will take place on January 14th at 10:15am.

Special thanks to Jack Madden who has been involved in the process and has been working with TRB and with the NGEC Executive Board to develop the session and help to get the arrangements finalized between the NGEC and TRB.

A panel of NGEC presenters and the topics they will cover has been confirmed:

Eric Curtit, Chair - NGEC Executive Board - Presentation Title: "NGEC Goals and Policies"

Charlie King, Vice Chair - NGEC Executive Board – Chair - NGEC Technical subcommittee - Presentation Title: “NGEC Technical Subcommittee and Specification Development”

John Oimoen, Deputy Director of Railroads, Illinois DOT - Presentation Title: “The States’ Role”

Jeffrey Gordon, Federal Railroad Administration - Presentation Title: “The Federal Role”

Larry Salci, *SalciConsult* - Presentation Title: “The Industry Role”

Steve Hewitt - NGEC Program Manager – will attend as support for the panel.

**13.
Other Issues:**

With no further business forthcoming for today’s call, Charlie King adjourned the meeting at 3:20PM Eastern.

Next Call: 11-14-2019– 3:00pm Eastern
Note the 11-28-19 (Thanksgiving Day) call is cancelled – a notice will be sent to all calendars

Decisions and Action Items

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

"ECP Project:

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AAR TAG Committee on LED Headlights Phase 3:

On 10-31-19, behalf of Dr. Tarek Omar, FRA – Eric Sherrock, Ensco, provided the following update – read into the record by Steve

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Next update 12-12-19

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 10-31-19 update

Document Control Update as of 10-31-19:

The PRIIA Single Level Trainset Specification 305-007, Revision B was approved by the NGEN Executive Board on 10/22. Tammy Krause is in the process of final formatting the approved DCRs and then the Revision B will be compiled.

Electronics on Trains Working Group as of 10-31-19:

On 10-31-19, David Brabb provided the following update for inclusion in today's minutes. They were read into the record by Steve Hewitt:

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Next update: 12-12-19

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 as of 10-31-19:

Good progress is being made in the testing of the high-speed wireless system. More details will be provided on the next update.

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

Next Update – 12-12-19

Metro North Dual Mode Locomotive Procurement as of 10-31-19:

Metro-North continues to work with vendors on the procurement effort.

Next update – 12-12-19

Amtrak Equipment Procurement as of 10-3-19:

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Announcement: TRB Session – “The NGEC – 10 Years of Progress” January 14, 2020:

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Next call: 11-14-19

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 31, 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 10-17-19 | 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. University of Nebraska High Speed Wireless Study | Hamid-Sharif Kashani |
| 9. AAR TAG Committee on LED Headlights Phase 3: | Tarek Omar |
| 10. Update: Document Control Management | Tammy Krause |
| 11. Preparing for the 10 th NGEC Annual Meeting February 2020 | Steve Hewitt |
| 12. Upcoming TRB Session "The NGEC – 10 Years of Progress" January 14, 2020 | Steve Hewitt |
| 13. Other issues | All |
| 14. Review this meeting: | Steve Hewitt |
| a) Decisions | |
| b) New Action Items | |

***Technical Sub Committee Conference Call Meeting:
Thursday 10-31-19 / 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 –11-14-19 at 3:00pm Eastern***