

SECTION 305 TECH SUB COMM

MINUTES

JANUARY 9, 2020 3:00PM EASTERN

CONFERENCE CALL

FACILITATOR	<i>Charlie King, Chair, NGENC Technical Subcommittee</i>
ATTENDEES	Core Team Members: <i>Charlie King, George Hull, Jeff Gordon, Curtis McDowell for Matthew Simmons, Marci Petterson, Jennifer Bastian, Phil Meraz, Momo Tamaoki, Momo Tamaoki also as proxy for Eric Curtit, Mike Jenkins, Art Peterson, Melissa Shurland, Tarek Omar, Mike Murray, Tammy Krause, Hamid Sharif-Kashani, Duncan Copland, Dave "Emeritus" Warner, Steve Hewitt</i> Industry Members: <i>Josh Coran, Jack Madden, Adam Saplin, Ed Golitko, Steve Morrison, Kevin Myles, Joe Kenas, James Michel, Tom LaMano, Glen Rees, Rich Stegner, Kirk Klug, Dick Bruss</i>
ABSENTEES	<i>Eric Curtit, Ray Hessinger, John Bell, Charlie Poltenson, Matthew Simmons, Jason Biggs, Brian Marquis, Michael Burshtin, Michael Kraft, Byron Comati, David Brabb, Larry Salci</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 209 registered industry participants.

Requesting Backgrounder educational document:

Steve reported that the two-pager has been updated and 400 copies were printed by MODOT (thank you MODOT!) and sent to Steve Hewitt for distribution at the Annual Meeting in February.

Contact Steve Hewitt at shewitt109@aol.com to request hard copies (or electronic. If hard copies, 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 7-11-19:

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 NGEN members.

Nothing new to report on 1-9-20.

AAR TAG Committee on LED Headlights – Phase 3:

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).

Next Update: as appropriate

Electronics on Trains Working Group – 1-9-20:

The NGEN Electronics working group update as of 1-9-20 submitted by working group team leader, David Brabb:

No meeting was held on Jan 7th due to me (David Brabb) being out of the office. That was OK because we were only going to announce that we are going to send out the Revision A of 305-919 DTL Hardware Specification for review and comment, later this week, to our full working group....and that is our plan now.

We are also now working on the WiDTL specification.

4. Approval of the Minutes from 12-12-19 – Charlie King, Amtrak:

On a motion offered by Jennifer Bastian, IDOT, and seconded by Momo Tamaoki, Caltrans, the minutes from 12-12-19 were approved as presented.

5. Update: Multi-State Railcar Procurement as of 1-9-20 - Momo Tamaoki, Caltrans:

Momo Tamaoki, Caltrans, provided the following update on 1-9-20:

- *FDR for the standard coach is complete. Cab Car PDR action items are closed, and the PDR has been approved by Caltrans.*
- *The Complete Coach FAI is occurred on November 13-14 in Sacramento. The action items have been recorded and the FAI findings are being worked through. Testing continues at TTCI on cars 1 and 2 with results of the Lighting Tests under review and door cycling test in preparation. Car #3 continues with climate room testing in Ottawa, with additional cold weather testing scheduled through the next two weeks. Caltrans and IDOT are witnessing tests in both locations. Car #3 will be shipped to the NEC for FRA 213.345 validation after climate room testing is complete. Plans are in work to ship an additional two cars to TTCI for PTC Brake Testing.*
- *45 cars are in production at Siemens Sacramento Facility. Car #4 is the FAI car and undergoing work to address the FAI findings. The remaining carshells are in various stages of component installation, welding, integration, painting or storage.*
- *System-level FAIs for standard coach are nearly complete with remaining action items under review. Cab Car Structure IDR meeting was held in December and actions are being reviewed in preparation for FDR. The IDOT Galley System IDR documents are revised and in review.*

6. Update: Amtrak Equipment Procurement as of 1-9-20 – Charlie King, Amtrak:

On the Acela replacement:

This procurement is going along well. The Tow Locomotive and buffer car are, today, on the way to Hornel, and on out to TTCI in March 2020.

Like others, Amtrak is struggling with ACSES issues for PTC for this equipment. Still, they are making strides for the first trainset to be in revenue service by May 2021 and the 8 trainsets in service by early Fall 2021.

On the Locomotives:

This procurement continues to progress with a target of next Spring.

On the Trainset (AmFleet replacement):

They are in the bid review phase and until the results have been reported out, there is not much more to be said.

7.

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

NYSDOT was unavailable for this call – this item was tabled until the next call (1-23-20).

8.

Document Control Update – Tammy Krause, NGEN DCM:

Tammy Krause provided the following update for inclusion in today's (1-9-20) Minutes:

Trainset Revision B is almost complete and should be ready next week. The cover sheet has been signed Eric Curtit as one of his last official acts. I am waiting on an answer for one question from Larry Salci.

The next specification to be updated is the Diesel multiple Unit. I am working on the DCRs and will be sending them to the TSC WGs as soon as they are done.

9.

Update: High Speed Wireless Study – Hamid Sharif-Kashani:

Hamid reported that they are in the outdoor testing phase and have done over a dozen field tests for distance and software for the radio system they have designed. They have 100 gig of data from testing and are now analyzing that data for a match to the computer models. Hamid hopes to be able to share the results in the next report to the Technical subcommittee (2-6-20).

10.

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

Steve Hewitt reminded members that the Annual Meeting will take place on 2-21-20 at the Hyatt Regency Hotel Capitol Hill, Washington, DC.

Per the NGEN By-Laws, a formal notice went out to all NGEN members, including industry participants. All have been notified of the date, location and the hotel room block link.

Currently there are **44 registrants** for the meeting.

Steve is working with AASHTO and will be provided with timelines for confirming attendees for name badges and head count.

A draft agenda was approved by the Executive Board in December and was distributed to NGEN members subject to refinements. Today, I sent an updated version out to all NGEN members along with a reminder to register with me.

All members intending to attend the meeting should register with Steve Hewitt by sending an email confirming attendance. There is no registration fee for the NGEN meeting.

Hotel room block information:

The hotel is the Hyatt Regency Capitol Hill Washington, DC. The link for reserving a room is below:

<https://www.hyatt.com/en-US/group-booking/WASRW/G-APT5>

The rate is \$149 per night. Currently this is for double bedded rooms only; anyone wanting a King will need to contact the hotel directly to see if this is a possibility. However, additional cost may be incurred.

**11.
Other Issues:**

With no further business forthcoming for today's call, Charlie King adjourned the meeting at 3:19PM Eastern.

Next Call: 1-23-2020– 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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If you need any additional information, please contact Sean Woods (woods.sean@ensco.com).

Next update as appropriate

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 1-9-20 update.

Document Control Update as of 1-9 -19:

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We are also now working on the WiDTL specification.

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 1-9-20:

On 1-9-20, it was reported that they are in the outdoor testing phase and have done over a dozen field tests for distance and software for the radio system they have designed. They have 100 gig of data from testing and are now analyzing that data for a match to the computer models. Hamid hopes to be able to share the results in the next report to the Technical subcommittee (2-6-20).

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

Next Update – 2-6-20

Metro North Dual Mode Locomotive Procurement:

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

Next update – 1-23-20

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Next update: 2-6-20

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

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

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” and “Goals and Policies”

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

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

Next call: 1-23-20

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

January 9, 2020

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 12-12-19 | Charlie 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 Management | Tammy Krause |
| 9. Update: High Speed Wireless Study | Hamid Sharif-Kashani |
| 10. Preparing for the 10 th NGEC Annual Meeting February 2020 | Steve Hewitt |
| 11. Other issues | All |
| 12. Review this meeting: | Steve Hewitt |
| a) Decisions | |
| b) New Action Items | |

***Technical Sub Committee Conference Call Meeting:
Thursday 1-9-20 / 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 -1-23-20 at 3:00pm Eastern