

SECTION 305 TECH SUB COMM

MINUTES

JANUARY 23, 2020 3:00PM EASTERN

CONFERENCE CALL

FACILITATOR	<i>Charlie King, Chair, NGENC Technical Subcommittee</i>
ATTENDEES	Core Team Members: <i>Charlie King, Jeff Gordon, Marci Petterson, Art Peterson for Jennifer Bastian, Phil Meraz, Momo Tamaoki,, Melissa Shurland, Tarek Omar, Mike Murray, Michael Burshtin, Michael Kraft, Steve Hewitt</i> Industry Members: <i>Josh Coran, Jack Madden, Ed Golitko, Steve Morrison, Rich Stegner, Dick Bruss, Paul Arnone, Jon Mullin, Richard Curtis, Paul Jamieson</i>
ABSENTEES	<i>Eric Curtit, Ray Hessinger, John Bell, Charlie Poltenson, Matthew Simmons, Curtis McDowell, Jason Biggs, Mike Jenkins, Brian Marquis, Duncan Copland, Byron Comati, Brian Marquis, Larry Salci, Tammy Krause,</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 could not confirm the presence of a quorum.

It was agreed that the call would proceed, but there would be no decisions/votes taken.

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.

50 copies were sent to Jack Madden for distribution at the TRB meeting ("the NGENC 10 Years of Progress") session held on 1-14-20.

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.

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 NGENC 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.

Next update 2-6-20

4. Approval of the Minutes from 1-9-20 – Charlie King, Amtrak:

Due to the lack of a quorum, approval of the minutes from 1-9-20 was tabled until the next call (2-6-20).

5. Update: Multi-State Railcar Procurement as of 1-23-20 - Momo Tamaoki, Caltrans:

Momo Tamaoki, Caltrans, provided the following update on 1-23-20:

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 occurred on November 13-14 in Sacramento.

Testing continues at TTCI on cars 1 and 2 with results of the 2-Car friction brake performance and lighting tests being finalized. Side door cycle testing is scheduled for next week. The climate room testing is ongoing in Ottawa. Car #3 will be shipped to the NEC for FRA 213.345 in February. 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 production is reworking open items. 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 FDR is tentatively planned for February. The IDOT Galley Layout FDR documents have been submitted and the FDR meeting is scheduled February 5 & 6.

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

Ray Hessinger was not available today so this item was tabled until the next call (2-6-20)

7. Document Control Update – Tammy Krause, NGEN DCM:

Tammy Krause was unavailable for today's call – this item was tabled until the next call (2-6-20).

8. 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.

Currently there are 55 registrants for the meeting (list attached to email distribution of these minutes - 1-23-20).

If you have plan to attend and have not yet registered with Steve Hewitt - please send him an email so that he can add you to the list for a name badge and to have a proper head count to provide AASHTO with.

An updated draft agenda was distributed to all NGEN members last week – and to this group, for today's call (1-23-20) along with other meeting materials.

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-APTS>

The deadline for reserving a room under the block rate is coming up soon (1-28-20). The block is filling up and it is suggested you

act quickly to reserve your room.

Steve reviewed the DRAFT agenda (attached)

**9.
Other Issues:**

With no further business forthcoming for today's call, Charlie King adjourned the meeting at 3:10PM Eastern.

Next Call: 2-6-2020– 3:00pm Eastern

Decisions and Action Items

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

"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 NGECC 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 NGECC. 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 NGECC members.

Nothing new to report on 1-23-20

Requesting Backgrounder educational document:

The two-pager has been updated and 400 copies were printed by MODOT and sent to Steve Hewitt for distribution at the Annual Meeting in February.

50 copies were sent to Jack Madden for distribution at the 1-14-20 TRB session on "The NGECC – 10 Years of Progress".

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.

Maintaining Industry Participation List: Status: There are currently 209 industry participation members.

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 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

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 1-23-20 update.

Document Control Update as of 1-9-20:

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.

Electronics on Trains Working Group activities as of 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.

Next update: 2-6-20

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:

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 – 2-6-20

Amtrak Equipment Procurement as of 1-9-20:

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.

Next update: 2-6-20

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

On 1-23-20, 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 NGEC By-Laws, a formal notice went out to all NGEC members, including industry participants. All have been notified of the date, location and the hotel room block link.

Currently there are 55 registrants for the meeting.

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 NGEC meeting.

Hotel room block information:

The room block closes on 1-28-20.

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.

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

This session took place on 1-14-20. The presentations will be posted on the NGEC website.

Next call: 2-6-20

Call in number is:

888 585-9008 access #: 559-120-127

ATTACHMENTS



Our Vision: The NGECC will provide national leadership in standardization, acquisition, and management of passenger rail equipment.

PRIIA Section 305 Tech Sub Committee Meeting

January 23, 2020

The agenda for the meeting is below:

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|--|---------------|
| 1. Roll Call | Steve Hewitt |
| 2. Review Meeting Agenda | Charlie King |
| 3. Review Action Items | Steve Hewitt |
| 4. Approve Minutes from 1-9-20 | Charlie King |
| 5. Update: Multi-State Rail Car Procurement | Momo Tamaoki |
| 6. Update: Metro-North Dual Mode Locomotive Procurement | Ray Hessinger |
| 7. Update: Document Control Management | Tammy Krause |
| 8. Preparing for the 10 th NGECC Annual Meeting February 2020 | Steve Hewitt |
| 9. Other issues | All |
| 10. Review this meeting: | Steve Hewitt |
| a) Decisions | |
| b) New Action Items | |

***Technical Sub Committee Conference Call Meeting:
Thursday 1-23-20 / 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 -2-6-20 at 3:00pm Eastern***