

SECTION 305 TECH SUB COMM

MINUTES

FEBRUARY 6, 2020 3:00PM EASTERN

CONFERENCE CALL

FACILITATOR	<i>Charlie King, Chair, NGEN Technical Subcommittee</i>
ATTENDEES	Core Team Members: <i>Charlie King, George Hull, Jeff Gordon, Momo Tamaoki, Ray Hessinger, Ray Hessinger also as proxy for Marci Petterson, Curtis McDowell for Matthew Simmons, Jennifer Bastian, Jennifer also as proxy for Phil Meraz, and Eric Curtit, Mike Jenkins, Tarek Omar, Duncan Copland, Michael Kraft, Art Peterson, Tammy Krause, Steve Hewitt</i> Industry Members: <i>Ed Golitko, Paul Arnone, Jon Mullin, Bill Saddler, Richard Stegner, James Michel, Rich Bowie</i>
ABSENTEES	<i>Eric Curtit, Phil Meraz, Marci Petterson, Charlie Poltenson, Matthew Simmons, Jason Biggs, Melissa Shurland, Brian Marquis, Michael Burshtin, Byron Comati, Brian Marquis, 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 Background educational document:

As reported previously the two-pager has been updated and are available in hard copy and/or pdf versions.

Contact Steve Hewitt at shewitt109@aol.com to request the handout – hard copy or PDF. 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

4.

Approval of the Minutes from 1-9-20 and 1-23-20 – Charlie King, Amtrak:

On a motion offered by Jennifer Bastian, IDOT and seconded by Curtis McDowell, for NCDOT, the minutes from the last two calls (1-9-20 and 1-23-20) were approved as presented.

5.

Update: Multi-State Railcar Procurement as of 2-6-20 - Momo Tamaoki, Caltrans:

Momo Tamaoki, Caltrans, provided the following update on 2-6-20:

FDR for the standard coach is complete. Cab Car Brake and Electrical System IDR updates are in review. Cab Car structure FDR is scheduled for February 27 and IDOT Galley FDR design releases are beginning.

The Complete Coach FAI occurred on November 13-14 in Sacramento and production continues work on open items. Car #3 will be shipped to the NEC for FRA 213.345 in late February after climate room testing is completed. Cars 4 and 5 are planned for shipment to TTCI next week to support Amtrak PTC Brake Profile testing. Door cycle and Lighting tests are also occurring during the next two weeks at TTCI.

45 cars total are in production or have been produced at Siemens Sacramento Facility. System-level FAIs for standard coach are nearly complete with remaining action items under final review, including open items for the complete car.

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

Ray Hessinger reported that Metro-North continues to review proposals received.

**7.
Update: Amtrak Equipment Procurement – Charlie King, Amtrak:**

On the Acela replacement:

Trainset 1 is being made ready to go to TTCI as have the California cars.

On the Locomotives:

The FAIs for the locomotives are being put together.

On the Trainset (AmFleet replacement):

They continue to be in the bid review phase by the Amtrak technical and finance committees.

**8.
Document Control Update – Tammy Krause, NGEN DCM:**

Tammy Krause provided the following update for inclusion in today's (2-6-20) Minutes:

The trainset specification revision B is not available yet. Camren has been making the changes to the specification and realized that some of the proposed changes reference the wrong specification sections. Most of the chapter numbers and sections are the same between the specifications. However, the trainset specification has a few sections that have different numbers and the original section number were listed on the change sheet. I am double checking and correcting the section numbers. That is my update.

**9.
Update: Electronics on Trains Working Group – David Brabb**

David Brabb was not on the call today – this item was tabled.

**10.
Update: University of Nebraska High Speed Wireless Study – Hamid-Sharif Kashani:**

Hamid Sharif-Kashani was not on the call today – this item was tabled.

**11.
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 73 registrants for the meeting (list attached to email distribution of these minutes – 2-6-20).

If you have plans to attend and have not yet registered with Steve Hewitt - please send him an email by 2-7-20 so that he can add you to the list for a name badge and to have a proper head count to provide to AASHTO.

An updated draft agenda was distributed to all NGEN members last week, and to this group, for today's call (2-6-20) along with other meeting materials.

Steve reviewed the FINAL DRAFT agenda providing an overview.

**12.
Other Issues:**

The regularly scheduled call for 2-20-20 is canceled due to the Annual Meeting being held on 2-21-20.

With no further business forthcoming for today's call, Charlie King adjourned the meeting at 3:18PM Eastern.

Next Call: 3-5-2020– 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 NGEN 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 NGEN. 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 NGEN members.

Nothing new to report on 2-6-20

Requesting Backgrounder educational document:

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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 2-6-20 update.

Document Control Update as of 2-6-20:

The trainset specification revision B is not available yet. Camren has been making the changes to the specification and realized that some of the proposed changes reference the wrong specification sections. Most of the chapter numbers and sections are the same between the specifications. However, the trainset specification has a few sections that have different numbers and the original section number were listed on the change sheet. I am double checking and correcting the section numbers. That is my update.

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: 3-5-20

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 – 3-5-20

Metro North Dual Mode Locomotive Procurement:

Metro-North continues review proposals received.

Next update – 3-5-20

Amtrak Equipment Procurement as of 2-6-20:

On the Acela replacement:

Trainset 1 is being made ready to go to TTCI as have the California cars.

On the Locomotives:

The FAIs for the locomotives are being put together.

On the Trainset (AmFleet replacement):

They continue to be in the bid review phase by the Amtrak technical and finance committees.

Next update: 3-5-20

Preparing for the 10th NGECE Annual Meeting – February 2020 – Steve Hewitt, NGECE 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 73 registrants for the meeting (list attached to email distribution of these minutes – 2-6-20).

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An updated draft agenda was distributed to all NGECE members last week, and to this group, for today's call (2-6-20) along with other meeting materials.

Steve reviewed the FINAL DRAFT agenda providing an overview.

Next call: 3-5-20

Call in number is:

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

ATTACHMENTS



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

PRIIA Section 305 Tech Sub Committee Meeting

February 6, 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 |

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| 4. Approve Minutes from 1-9-20 and 1-23-20 | Charlie King |
| 5. Update: Multi-State Rail Car Procurement | Momo Tamaoki |
| 6. Update: Metro-North Dual Mode Locomotive Procurement | Ray Hessinger |
| 7. Update: Amtrak Equipment Procurements | Charlie King |
| 8. Update: Document Control Management | Tammy Krause |
| 9. Update: Electronics on Trains Working Group | David Brabb |
| 10. Update: University of Nebraska High Speed wireless study | Hamid Sharif-Kashani |
| 11. Preparing for the 10 th NGEN Annual Meeting February 2020 | Steve Hewitt |
| 12. Other issues | All |
| 13. Review this meeting: | Steve Hewitt |
| a) Decisions | |
| b) New Action Items | |

***Technical Sub Committee Conference Call Meeting:
Thursday 2-6-20 / 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 -3-5-20 at 3:00pm Eastern***