

SECTION 305 TECH SUB COMM

MINUTES

AUGUST 22, 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, Jennifer Bastian, Jennifer Bastian also as proxy for Momo Tamaoki, Charlie Poltenson, Mike Jenkins, Michael Burshtin, Duncan Copland, Mike Kraft, Art Peterson, Curtis McDowell, Melissa Shurland, Tammy Krause, Tarek Omar, Steve Hewitt, Hamid Sharif-Kashani, Dave "Emeritus" Warner</i> Industry Members: <i>Dick Bruss, Kirk Klug, Paul Jamieson, Chuck Wochele, Martin Bloedt, Steve Morrison, Kevin Myles, Robbie Brownell, Richard Stegner, Ed Golitko</i>
ABSENTEES	<i>George Hull, Marci Petterson, Phil Meraz, Jason Biggs, Ray Hessinger, Eric Curtit, Momo Tamaoki, Byron Comati, John Bell, Brian Marquis, David Brabb, Mike Murray, 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:

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, (8-22-19) 265 hard copies and 355 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:

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 in August 2019

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 9-19-19

4. Approval of the Minutes from 8-8-19 – Charlie King, Amtrak:

On a motion offered by Jennifer Bastian, IDOT, and seconded by Allan Paul, NCDOT, the minutes from 8-8-19 were approved as presented.

5. Update: Multi-State Railcar Procurement as of 8-22-19 - Steve Hewitt for Momo Tamaoki, Caltrans:

Momo Tamaoki, Caltrans, provided the following update for inclusion in the minutes (8-22-19). In Momo's absence, Steve Hewitt read them into the record:

- *All FDR System Level and related submittal approvals for the standard coach are at a Conditional Approval level or greater.*
- *The IDOT galley mock-up review is scheduled for October 2019. The IDOT Café Car IDR is scheduled for the week of September 2 in Sacramento. Action items for the Cab Car PDRs are in work and the Cab Car Brake System IDR is confirmed for September 4th.*
- *The first 29 carshells are in production at Siemens Sacramento Facility. Static Lean, Wedge testing and air brake testing continue this week on Car #1. The corner load test is complete on Car #2 which is being prepared for trucking. Luggage rack brackets have been installed on Carshell #3. The remaining carshells are in various stages of component installation, welding, integration, painting or storage.*
- *The FAI process continues and most system-level FAIs are complete. Recent FAIs include the Trap Door and Vestibule Lining. The Compete Coach Car FAI is tentatively scheduled for September 17th pending production progress through the week. The FRA Sample Car Inspection will be scheduled once FAI dates are finalized.*

6. Update: Amtrak Equipment Procurement – Charlie King, Amtrak:

On the Charger:

The procurement remains on track – Amtrak is engaged in a review conference with Siemens.

The anticipated April 2021 Delivery timeframe remains on track.

On the Trainset procurement:

November remains as the timeframe for bids to come in and then an aggressive schedule will proceed on the next steps.

On the Acela 21:

2 cars are together at Hornell – not officially a trainset yet – no power cars at this point – but great progress. The start of testing at TTCI remains on schedule for January 2020.

7.

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

Ray Hessinger was unavailable - No update was provided – this item is tabled until the next call – 9-19-19.

8.

Update: Electronics on Trains Working Group – David Brabb:

David Brabb was unavailable for the call, and this item was tabled until the next call – 9-19-19. However, following the call (later in the day) David did provide the following update which I have included below:

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.

9.

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

Hamid Sharif-Kashani reported that they are in the process of setting up the infrastructure for outdoor testing. They are designing their own hardware to test 4G LTV and 5G radios.

On the software, they are working in a collaborative effort with OpenAirInterface Software Alliance – comprised of industry and academia.

The intent is to begin outdoor testing in September – at first in the parking lot and then beyond.

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

10.

Document Control Update – Tammy Krause, NGEN DCM:

Tammy Krause provided an overview of additional comments made since the last call on the DCRs proposed for Revision B of 305-007.

Most of the comments/revised language came from the structural group. After some discussion and no dissension, it was agreed that the recommendations presented in these additional comments were accepted and will be included.

11.

Single Level Trainset Specification 305-007 Revision B DCRs – Consideration of approval by the Technical Subcommittee – Charlie King:

A motion to approve the DCRs for Revision B of Trainset specification 305-007, with the recommended language changes as submitted, was offered by Charlie Poltenson, NYSDOT, and was seconded by Allan Paul, NCDOT.

With no further discussion forthcoming Chairman King asked Steve Hewitt to call the roll of voting members for a voice vote:

Charlie King, Amtrak – aye
Jeff Gordon, FRA – aye
Jennifer Bastian, IDOT – aye
Jennifer Bastian as proxy for Momo Tamaoki, Caltrans – aye
Allan Paul, NCDOT - aye
Charlie Poltenson, NYSDOT – aye
Mike Jenkins, Oregon - aye

With a quorum having been established and all voting members present voting in the affirmative, Chairman King determined that consensus was achieved, and the motion is approved.

Tammy Krause will send the DCR summary sheet as approved to Steve Hewitt for distribution to the NGEN Executive Board.

Jeff Gordon emphasized that it is important that the language in DCRs 151-157 be retroactively fixed in all of the other appropriate PRIIA specifications – particularly in the Bi-Level specification.

It was agreed that this will occur at one time, through the normal NGEN process, as the next Revision to the Bi-Level specification

along with several other DCRs that have been submitted.

**12.
Next Steps – Steve Hewitt, NGEC Program Manager:**

Steve Hewitt noted that the approved DCR summary sheet will be submitted to NGEC Executive Board Chair Eric Curtit and the members of the Board following today's call. On the next Executive Board call (8-27-19), the Chairman will formally re-convene the Trainset Review Panel to begin its review of the changes as approved by the Technical subcommittee and will ask consultant Larry Salci to begin the process of preparing a Review Panel report with recommendations.

**13.
Other Issues:**

Due to several schedule conflicts, the 9-5-19 Technical subcommittee call is canceled. A cancellation notice will be sent by Steve Hewitt via Outlook. Please remove that meeting from your calendars.

The next Technical subcommittee call will take place on 9-19-19.

With no further business forthcoming for today's call, Charlie King adjourned the meeting at 3:34PM Eastern.

Next Call: 9-19-2019– 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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Next update 9-19-19

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 8-22-19 update

Document Control Update as of 8-22-19:

The summary of changes which will comprise Revision B of Trainset Specification 305-007, including the additional recommendation/comments provided by the structural working group, and discussed on today's call, were approved with a quorum having been established and consensus having been achieved. A roll call vote was taken with all voting members present voting in the affirmative (see agenda item 11 in the minutes).

Tammy Krause will provide the final/approved summary of changes to Steve Hewitt for submittal to the NGEC Executive Board Chair prior to the next Board conference call – 8-28-19.

Tammy Krause will begin the process of updating the Bi-Level specification to include Trainset specification the DCRs 151-157 and several others through the NGEC Document Change process.

Electronics on Trains Working Group as of 8-22-19:

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Next update: 9-19-19

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 – 9-19-19

Metro North Dual Mode Locomotive Procurement as of 8-8-19:

Metro-North continues to evaluate the vendor proposals received is going through that process.

No update was provided on 8-22-19

Next update – 9-19-19

Amtrak Equipment Procurement as of 8-22-19:

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The procurement remains on track – Amtrak is engaged in a review conference with Siemens.

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Next call: 9-19-19

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

August 22, 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 8-8-19 | 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: Electronics on Trains Working Group | David Brabb |
| 9. Update: University of Nebraska High Speed Wireless Study | Hamid Sharif-Kashani |
| 10. Document Control Management | Tammy Krause |
| a. Review of DCR summary Sheet and comments received on Single Level Trainset specification 305-007. | |
| 11. Single Level Trainset Specification 305-007 DCRS - Consideration of approval by the Technical subcommittee | Charlie King |
| 12. Next Steps | 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 8-22-19 / 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 -9-19-19 at 3:00pm Eastern***