

SECTION 305 TECH SUB COMM

MINUTES

MAY 30, 2019

3:00PM EASTERN

CONFERENCE CALL

FACILITATOR	Charles King, Chair, NGENC Technical Subcommittee
ATTENDEES	Core Team Members: Charlie King, Jeff Gordon, Jon Mullin for Momo Tamaoki, Curtis McDowell for Allan Paul, Ray Hessinger, Marci Petterson, Jennifer Bastian, Jennifer Bastian also for Eric Curtit, Phil Meraz, Andrew Wood for Mike Jenkins, Tarek Omar, Mike Murray, Steve Hewitt, Duncan Copland, Jeff Schultz, Art Peterson, Melissa Shurland, Tammy Krause Industry Members: Richard Curtis, Jack Madden, Ed Golitko, Adam Saplin, Martin Bloedt, Jon Mullin, Rich Stegner, Darrell Smith, James Michel, Donald Sandala, Craig Mckeen, Jon Michel, Wulf Dicke,
ABSENTEES	Momo Tamaoki, Allan Paul, Momo Tamaoki, Jason Biggs, Mike Jenkins, Brian Marquis, Michael Burshatin, Byron Comati, Bernard Reynolds, Mike Kraft, Harry Garforth, Anand Prabhakaran, Larry Salci

DISCUSSION/DECISIONS MADE

1.

Technical subcommittee Chairman Charlie 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 206 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, (5-30-19) 240 hard copies and 352 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.

Paul Jamieson was not available for this call (5-30-19) but provided the following update which Steve Hewitt read into the record:

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 NGEN. 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.

4. Approval of the Minutes from 5-16-19 – Charlie King, Amtrak:

On a motion offered by Jennifer Bastian, IDOT, and seconded by Jeff Schultz for ConnDOT, the minutes from 5-16-19 were approved as presented.

5. Update: Multi-State Railcar Procurement as of 5-30-19 – Jon Mullin for Momo Tamaoki, Caltrans:

Jon Mullin provided the following update to be included in the minutes (5-30-19):

All FDR System Level and related submittal approvals for the standard coach are at a Conditional Approval level or greater. Caltrans cab car PDR sessions took place last week in Sacramento and reviews included: Carshell, Cab Layout, and F-end coupler. Significant progress has been made in transitioning from the previous hybrid design to an integrated carbody structure.

IDOT had a follow-up meeting with the ADA community on Wednesday, May 29, to discuss updates to the café car layout.

The first 18 carshells are in production at Siemens Sacramento Facility. Carshells #1 and #2 are in the final assembly phase. Carshell #1 remains in static electrical test. Carshell #2 is in final assembly and work is occurring in several areas including, toilet module, switch cabinet, wiring, door mechanisms and underframe racks. Window installation is now complete in Carshell #4. The cable tray has been installed in Carshell #5 and underframe wiring continues. Carshell #6 is in the final assembly phase. Carshell #'s 7, 8, 9, 10 and 11 are in various stages of integration or storage.

The FAI process continues and most system FAIs have occurred. Recently completed FAIs include Exterior Doors and Electrical Switch Cabinets. The FAI for the Trap Door is scheduled for June 13th. Siemens continues to work with CALIDOT SMEs to address the open items.

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

Tammy Krause provided the following update for inclusion in today's minutes (5-30-19):

I am waiting on just a handful of DCRs to be approved for the Trainset specification.

Revision B2 of the single level should be done this week. The technical writer had a few issues with the update. Eric Curtit has provided the signed signature page and I hope to have the complete document this week.

I have received the technical subcommittee workgroup member lists from all but one group. I hope with some gentle prodding to have this before the next TSC meeting. I am waiting to hear from one Tech subcommittee working group leader if they want to continue as a leader.

7. Update: Electronics on Trains – Steve Hewitt for David Brabb, Sharma-Associates:

David Brabb, was unavailable for this call but provided the following update which was read into the record by Steve Hewitt:

- 1. We had our initial NGEN Electronics sub-committee meeting last week and introduced myself, and my colleagues; Ken Martin and Tanner Buel, as folks that are going to organize and lead our group meetings going forward.*
- 2. I sent out a "get me (meaning us at Sharma) up to speed" survey to the group for comments to questions my colleagues and I have about how we have gotten to where we are, and what the group understands as our goals....so that we are best prepared to lead the group.*
- 3. Our next call/meeting will be on June 11th.*

Next update: 6-13-19

8.

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

Hamid was unavailable for this call – an update will be requested for the next call – 6-13-19.

9.

Status Update: AAR TAG Committee on Headlights – Phase 3 and 4 – Tarek Omar, FRA:

Tarek Omar reported that “we are close to getting the contract in place for Phase 3 and 4...hopefully by the end of the week. On the FRA side of things, all is going well.”

Next update 6-27-19

10.

Other Issues:

With no further business forthcoming for today’s call, Charlie King adjourned the meeting at 3:15pm Eastern.

Next Call: 6-13-2019– 3:00pm Eastern

Decisions and Action Items

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

On 5-30-19, Paul Jamieson provided the following update for inclusion in the minutes:

"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.

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Maintaining Industry Participation List: Status: There are currently 206 industry participation members.

AAR TAG Committee on LED Headlights Phase 2:

On 5-30-19, Tarek Omar reported that “we are close to getting the contract in place for Phase 3 and 4...hopefully by the end of the week. On the FRA side of things, all is going well.”

Next update 6-27-19

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 5-30-19 update

Document Control Update as of 5-30-19:

Tammy Krause provided the following update for inclusion in today's minutes (5-30-19):

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Electronics on Trains Working Group – 5-30-19:

David Brabb provided the following update on 5-30-19 for inclusion in the minutes:

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- 3. Our next call/meeting will be on June 11th.*

Next update: 6-13-19

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 5-2-19 it was reported, that the simulation model is available to anyone who is interested. During the field-testing Hamid welcomes input from technical subcommittee members - if interested – please contact Hamid at hamidsharif@unl.edu

No new update provided on 5-30-19

Next update – 6-13-19

Metro North Dual Mode Locomotive Procurement as of 5-16 -19:

The due date for proposals was last Friday (5-10-19). Submittals were received from the short-listed car builders and Metro-North has initiated its review of those submissions.

Next update – 6-13-19

Amtrak Equipment Procurement 5-16-19:

On the Locomotives:

This continues to move forward. No changes reported.

On the passenger rail trainsets:

Amtrak has received responses to the RFP from several (more than 5) vendors. These responses are being reviewed – and Amtrak “is now into the hard part of seeing how the process morphs into the selection criteria”. Amtrak staff continues to keep its Board of Directors and the states apprised. The process is expected to take up much of the summer with a final selection after that.

Next update – 6-13-19

Next call: 6-13-19

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

May 30, 2019

The agenda for the meeting is below:

- | | |
|---|------------------------------|
| 1. Roll Call | Steve Hewitt |
| 2. Review Meeting Agenda | Charles King |
| 3. Review Action Items | Steve Hewitt |
| 4. Approve Minutes from 5-16-19 | Charles King |
| 5. Update: Multi-State Rail Car Procurement | Jon Mullin for Momo Tamaoki |
| 6. Update: Document Control | Tammy Krause |
| Status: Technical Working Groups review of Single Level Trainset Specification DCRs for Revision update | |
| Status: Verifying/updating all Technical working group member lists and team leaders | |
| Status: Completion of Single Level Car Technical Writing – Revision B.2 | |
| 7. Status Update: Electronics on Trains Working Group | Steve Hewitt for David Brabb |
| 8. Status Update: University of Nebraska High Speed Wireless Study – Field Testing | Hamid Rashid Kashani |

9. Status Update: AAR TAG Committee on Headlights – Phase 3 Tarek Omar
10. Other issues All
11. Review this meeting: Steve Hewitt
- a) Decisions
 - b) New Action Items

***Technical Sub Committee Conference Call Meeting:
Thursday 5-30-19 / 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 –6-13-19 at 3:00pm Eastern***