

SECTION 305 TECH SUB COMM

MINUTES

APRIL 2, 2020

3:00PM EASTERN

CONFERENCE CALL

FACILITATOR	<i>Charlie King, Chair, NGENC Technical Subcommittee</i>
ATTENDEES	Core Team Members: <i>Charlie King, Jeffrey Gordon, Jon Mullins for Momo Tamaoki, Curtis McDowell for Matthew Simmons, Marci Petterson, Jennifer Bastian, Phil Meraz, Steve Hewitt, Art Peterson, Michael Burshtin, Byron Comati, Duncan Copland, Michael Kraft, Melissa Shurland, Tarek Omar, Mike Murray, Tammy Krause, Dave Warner</i> Industry Members: <i>Richard Curtis, Rich Bowie, James Michel, Ed Golitko, Joe Kenas, Dick Bruss, Josh Coran, Anthony Lucas, Alexander Epstein, Craig McKeen, Don Sandala, Steve Morrison, Guido Vogel, Tom LaMano, Rick Brilz, Jack Madden</i>
ABSENTEES	<i>Matthew Simmons, George Hull, Ray Hessinger, Momo Tamaoki, Troy Hughes, Jason Biggs, Mike Jenkins Brian Marquis, Larry Salci, David Brabb</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 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 Meeting Agenda – Charlie King, Amtrak:

Chairman King provided a brief overview of today's meeting agenda and noted that he appreciated the participation of the subcommittee members who have called in during these very difficult times.

3.

Review Action Items – Steve Hewitt, NGENC Program Manager:

Requesting Background educational document:

As reported previously, the two-pager has been updated and is available in hard copy and/or pdf versions. To date over 150 hard copies and 250 electronic copies have been distributed.

Contact Steve Hewitt at shewitt109@aol.com for copies – hard copy or PDF. If hard copies, let Steve know where to send them and how many.

Maintaining Industry Participation List: Status: There are approximately 200 industry participation members.

On 4-2-20, Steve Hewitt added that he plans on re-sending the current industry list along with the minutes from this call and asked that members review the list and send him any corrections – additions/deletions/changes that they are aware of.

The list is only as good as the information Steve is provided, and often members retire or move on to other companies and do not let Steve know so the list becomes inaccurate.

Update: Metro-North Equipment Procurement – Status as of 3-19-20:

Ray Hessinger reported that Metro-North continues to evaluate RFP responses it has received.

Next Update – 4-16-20

Update: Amtrak Equipment Procurement – Status as of 3-19-20:

On the Acela: Trainset 2 left Hornell to go to Philadelphia yesterday (3-18-20) to begin its testing. Trainset 1 is at TTCI and should start laps soon.

On the Charger Locomotives: "We" are watching the ability of the Sacramento facility to remain open and keep on schedule. Amtrak continues to monitor the situation.

On the Single Level Trainset: Amtrak continues its review.

In general, there is a flux in the procurements due to the coronavirus crisis and the uncertainty surrounding the situation.

Charlie noted he will keep subcommittee apprised.

He added that the "last state Charger" left TTCI this week.

Next Update – 4-16-20

AAR TAG Committee on LED Headlights Phase 3:

On 3-5-20 Tarek Omar reported that they are still finalizing phase 4 and would keep the subcommittee apprised as it progresses.

Next update as appropriate.

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 3-5-20, Hamid Sharif-Kashani reported that they have completed the field testing and have concluded that most results matched their lab and simulations. There is "tons of data" and Hamid would be happy to share the link to the data with the NGEC members and would welcome input /feedback.

Steve Hewitt suggested that Hamid provide him with the link, and he will send it out to all NGEC members.

Next update 4-16-20.

Developing a TSSSA spec/menu/template:

On 4-2-20, Charlie King reported that the NGEC Chair – Ray Hessinger, NYSDOT - has asked him to provide the states with a primer or a la carte menu of TSSSA. As he has looked at it – it is very wide ranging with many options possible. Charlie noted that he is looking through it to develop something that would allow the states to see what it is or could be, and for vendors as well. The TSSSA of 20 years ago is not the one of today.

4. Approval of the Minutes from 3-19-20 – Charlie King, Amtrak:

On a motion offered by Jennifer Bastian, IDOT, and seconded by Phil Meraz, Iowa DOT, the minutes from the last call (3-19-20) were approved as presented.

5. Update: Multi-State Railcar Procurement as of 4-2-20 – Jon Mullin for Momo Tamaoki, Caltrans:

Momo Tamaoki, Caltrans, was unavailable for today's call, but Jon Mullin provided the following update on 4-2-20:

FDR for the standard coach is complete. The Cab Car structure FDR took place on February 27 and updated documents are in review. IDOT galley FDR reviews and releases are ongoing.

The Complete Coach FAI occurred on November 13-14 in Sacramento and open items are near closure. Non-domestic testing has been postponed due to travel restrictions. Video and photos are being provided for tests that SMEs are unable to witness in person. TTCI testing is complete, including Amtrak PTC, brake performance tests and static tests. Car #3 is being instrumented at Ivy City for 213 testing on the NEC. This testing is scheduled to begin April 6 pending arrival of additional equipment.

49 cars total are in production or have been produced at Siemens Sacramento Facility. The production facility remains open under an Essential Business clause. System-level FAIs for standard coach are nearly complete with remaining action items under final review, including open items for the complete car. Four additional Caltrans cars are scheduled to ship to Stockton on April 3rd. The first IDOT car shipment is currently projected for May 14th.

The project teams are monitoring potential production and schedule impacts due to the coronavirus and are receiving daily updates from SCOA and Siemens.

Charlie King noted that they (Amtrak) do have the car and a truck at Ivy City and he will keep the group apprised.

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

Tammy Krause provided the following updates for inclusion in the minutes of today's call (4-2-20):

This month in document control the following happened;

The Trainset specification Revision B has been delayed due to the incorrect numbering of the sections, this has been corrected and hopefully the finished version will be available soon, however I have not heard back from the Technical Writer.

The next specification to be considered is the DMU. I have commenced creating the DCRS, but they are not complete yet. I hope to issue the DCRs to the appropriate WGs by 4/16. I will request that the WGs have their comments back to me by 5/27. This should pave the way for the TSC to vote on them at the 6/11 meeting and then send them to the Executive Board.

The Equipment Acquisition Best Practices document is with Camren and I anticipate the draft being returned any day.

I have requested that the TSC WG leaders send me a current list of their group members. I have received 3 out of 7 so far. That is my update.

Charlie King asked Tammy Krause to "open up a folder on TSSSA" as the technical subcommittee will be developing something of a menu/spec document for TSSSA potential options.

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

Hamid was unavailable for today's call (4-2-20) but notified Steve Hewitt that he will plan to give an update on the next call (4-16-20).

8. Status Update – Electronics on Trains Working Group – David Brabb:

David Brabb was not on the call on 4-2-20, so this item was tabled until the next call (4-16-20).

9. Other Issues:

With no further business forthcoming for today's call, Charlie King adjourned the meeting at 3:16PM Eastern.

Next Call: 4-16-20– 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 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 4-2-20

Requesting Backgrounder educational document:

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AAR TAG Committee on LED Headlights Phase 3:

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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 4-2-20 update.

Document Control Update as of 4-2-20:

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Electronics on Trains Working Group activities as of 4-2-20:

David Brabb was not available for the call today (4-2-20)

On 3-5-20, David provided the following update:

We had a web-conference this past Tuesday, March 3rd. Our next web-conference is planned for Tuesday, March 24th.

Due to our latest rounds of comments on the PRIIA 305-919 DTL hardware Revision 2020A, we have decided that we must get confirmation on the intended topology of the DTL system. We are asking our group to help us determine between a "ring" type and a "linear" (for a lack of a better term) type of system topology. We are also reaching out to some folks outside the Electronics subcommittee for comments as well. Once that decision is made, we will specify jumpers and any peripherals and include in 919. Finally, we will insert a WiDTL section, that has gone through preliminary review, into 919 and send that Revision 2020B out to the group for final review. The WiDTL section specifies redundancy for back office and passenger entertainment purposes only, not any operational communications or controls, due to safety and security risks.

Next update 4-16-20.

DEF-UREA Update:

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Steve Hewitt suggested that Hamid provide him with the link, and he will send it out to all NGEC members.

Next update as 4-16-20.

Metro North Dual Mode Locomotive Procurement:

Metro-North continues to evaluate RFP responses it has received.

Next update – 4-16-20

Amtrak Equipment Procurement as of 3-19-20:

On the Acela:

Trainset 2 left Hornell to go to Philadelphia yesterday (3-18-20) to begin its testing. Trainset 1 is at TTCI and should start laps soon.

On the Charger Locomotives:

"We" are watching the ability of the Sacramento facility to remain open and keep on schedule. Amtrak continues to monitor the situation.

On the Single Level Trainset (Amfleet replacement): Amtrak continues its review.

In general, as of 3-19-20, there is a flux in the procurements due to the coronavirus crisis and the uncertainty surrounding the situation.

Next update: 4-16-20

Establish process and timeline for Tech SC review of Access Board NPRM Accessibility Guidelines and compare with current NGEN Specifications

The intent of this effort is for states to submit their comments to the Access Board Docket on the Accessibility Requirement Guidelines (advanced) Notice of Proposed Rulemaking. Amtrak has submitted its comments already. Once the comments "have come back", the Technical subcommittee will compare them with the NGEN specifications to ensure compliance.

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Next call: 4-16-20

Call in number is:

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

ATTACHMENTS



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

PRIIA Section 305 Tech Sub Committee Meeting

April 2, 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 3-19-20 | Charlie King |
| 5. Update: Multi-State Rail Car Procurement | Jon Mullin |
| 6. Update: Document Control Management | Tammy Krause |
- Status: Compiling Single Level Trainset Specification 305-007 – Revision B
 - Next Specification Update – DMUs – next steps/timeline
 - Status: Equipment Acquisition Best Practices Reference Document
 - Updating list of Technical working group members

- | | |
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| 7. Status Update: University of Nebraska High Speed Wireless Study | Hamid Sharif-Kashani |
| 8. Status Update: Electronics on Trains Working Group | David Brabb |
| 9. Other issues | All |
| 10. Review this meeting: | Steve Hewitt |
| a) Decisions | |
| b) New Action Items | |

Technical Sub Committee Conference Call Meeting:
Thursday 4-2-20 / 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 –4-16-20 at 3:00pm Eastern