

# SECTION 305 TECH SUB COMM

MINUTES

APRIL 16, 2020

3:00PM EASTERN

CONFERENCE CALL

<b>FACILITATOR</b>	<i>Charlie King, Chair, NGENC Technical Subcommittee</i>
<b>ATTENDEES</b>	<b>Core Team Members:</b> <i>Charlie King, Jeffrey Gordon, Momo Tamaoki, Curtis McDowell for Matthew Simmons, Charlie Poltenson for Ray Hessinger, Marci Petterson, Jennifer Bastian, Troy Hughes, Steve Hewitt, Art Peterson, Michael Burshtin, Michael Kraft, Tarek Omar, Mike Murray, Dave "Emeritus" Warner, Hamid Sharif-Kashani, Industry Members:</i> <i>Richard Curtis, Rich Bowie, Ed Golitko, Joe Kenas, Dick Bruss, Josh Coran, Steve Morrison, Adam Saplin, Jeff Schultz, Kevin Myles, Martin Bloedt, Jon Mullin, Darrell Smith, Bill Saddler, Paul Arnone, Jack Madden, Tom LaMano</i>
<b>ABSENTEES</b>	<i>Matthew Simmons, George Hull, Ray Hessinger, Jason Biggs, Mike Jenkins, Phil Meraz, Brian Marquis, Larry Salci, David Brabb, Tammy Krause, Oscar Bermudez, Melissa Shurland,</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](mailto:shewitt109@aol.com).**

### 2.

#### **Review Meeting Agenda – Charlie King, Amtrak:**

Chairman King provided a brief overview of today's meeting agenda.

### 3.

#### **Review Action Items – Steve Hewitt, NGENC Program Manager:**

##### **Requesting Backgrounder 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](mailto: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 re-sent the current industry list and asked that members review the list and send him any corrections – additions/deletions/changes that they are aware of.

Several updates have been received and the list has been revised. There are likely additional changes/updates yet to come.

Steve requests members who have not reviewed the list yet to do so and provide him with any changes 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.

##### **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.

**4.  
Approval of the Minutes from 4-2-20 – Charlie King, Amtrak:**

On a motion offered by Jennifer Bastian, IDOT, and seconded by Curtis McDowell, for NCDOT, the minutes from the last call (4-2-20) were approved as presented.

**5.  
Update: Multi-State Railcar Procurement as of 4-16-20 – Momo Tamaoki, Caltrans:**

Momo Tamaoki, Caltrans, provided the following update on 4-16-20:

*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. Cars one and two have returned to Sacramento from TTCI for final repairs and inspections before shipment to Stockton. Car #3 began testing in the NEC on April 9<sup>th</sup>. Testing has been successful thus far with speed upgrades to 130 mph and cant deficiency testing to 7 inches. Additional testing on deflated air springs up to 125 mph was performed on Tuesday April 14 with additional runs on representative track to follow.*

*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. Car shipment dates are formally delayed due to COVID-19. The current expectation is three cars will be shipped to Stockton at the end of April. The first IDOT car shipment is currently projected for late May/early June.*

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

**6.  
Update: Amtrak Equipment Procurements – Charlie King, Amtrak:**

The COVID 19 situation has caused delays:

On the Acela 21 –

New York State has reduced the plant – it is not operating as essential - but does have a few employees working there to keep it open. Trainset 1 is at TTCI – reduced to a single crew. Trainset 2 – similar situation.

Amtrak is not likely to meet the delivery date. There was not much slack in the schedule to begin with. Not at all sure what the new schedule will be – and will not know until the restrictions are removed.

On the Charger Locomotives:

Siemens did manage to get its facility in Sacramento named as essential. Amtrak is working on the Articles of Inspection to come up with the first P42 Locomotive replacement.

On the single level car/trainset procurement:

Negotiations are ongoing – and Charlie hopes that after the next Amtrak Board Meeting there may be something that he can provide to the technical subcommittee members.

**7.  
Update: Metro-North Dual mode Locomotive Procurement – Ray Hessinger, NYSDOT:**

Ray Hessinger was unavailable for today's call, but informed Steve Hewitt that nothing much has changed – Metro-North continues to be in the procurement "Cone of Silence".

**8.  
Update: Developing a TSSSA spec/template – Charlie King:**

Amtrak is working on this and making some progress. Charlie hopes to have something to share over the next several weeks. They are trying to sanitize the information to allow for distribution to the NGEC members. There are various diagrams that they would like to include but they need the permission of the OEMs.

Charlie asked Steve Hewitt to make this item a monthly agenda topic.

Next update: 5-14-20.

**9.  
Document Control Update – Steve Hewitt for Tammy Krause, NGEC DCM:**

Tammy Krause was unavailable for the call today, but provided the following update for inclusion in the minutes (4-16-20):

*The DMU DCRs have been completed and I will be sending them to the Technical Subcommittee soon. I am waiting for any comments back from the DCR document previewers.*

*I do not have an update on the Trainset specification.*

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

Hamid Sharif-Kashani reported that he had nothing new to report at this time due to the campus being shut down (COVID 19). They are trying to remotely organize the results and will, hopefully, be able to share a link to them by the next update.

Next update: 5-14-20

**11.  
Status Update – Electronics on Trains Working Group – David Brabb:**

David Brabb was unavailable and did not provide an update. This item is tabled until the next call 4-30-20.

**12.  
Other Issues:**

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

**Next Call: 4-30-20– 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 NGEC 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 NGEC. 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 NGEC members.

Nothing new to report on 4-16-20

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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 4-16-20:**

Tammy Krause provided the following updates for inclusion in the minutes of 4-16-20:

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*I do not have an update on the Trainset specification.*

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

David Brabb was not available for the call today (4-16-20)

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: 4-30-20.

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Next update: 5-14-20

#### **Metro North Dual Mode Locomotive Procurement:**

Metro-North continues to be in the procurement "Cone of Silence".

Next update – 5-14-20

#### **Amtrak Equipment Procurement as of 4-16-20:**

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Next update: 5-14-20

#### **Establish process and timeline for Tech SC review of Access Board NPRM Accessibility Guidelines and compare with current NGENC 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 NGENC specifications to ensure compliance.

#### **Developing a TSSSA spec/menu/template:**

Amtrak is working on this and making some progress. Charlie hopes to have something to share over the next several weeks. They are trying to sanitize the information to allow for distribution to the NGENC members. There are various diagrams that they would like

to include but they need the permission of the OEMs.

Charlie King asked Steve Hewitt to make this item a monthly agenda topic.

Next update: 5-14-20.

**Next call: 4-30-20**

**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**

**April 16, 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 4-2-20   | Charlie King         |
| 5. Update: Multi-State Rail Car Procurement                                  | Momo Tamaoki         |
| 6. Update: Amtrak Equipment Procurements                                     | Charlie King         |
| 7. Update: Metro-North Dual Mode Locomotive Procurement                      | Ray Hessinger        |
| 8. Update: Developing a TSSSA spec/menu/template                             | Charlie King         |
| 9. 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                           |                      |
| - Starting a folder/file for TSSSA template                                  |                      |
| 10. Status Update: University of Nebraska High Speed Wireless Study          | Hamid Sharif-Kashani |

- 11. Status Update: Electronics on Trains Working Group David Brabb
- 12. Other issues All
- 13. Review this meeting: Steve Hewitt
  - a) Decisions
  - b) New Action Items

***Technical Sub Committee Conference Call Meeting:***  
***Thursday 4-16-20 / 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 -4-30-20 at 3:00pm Eastern***