

# SECTION 305 TECH SUB COMM

MINUTES

SEPTEMBER 20,  
2018

3:00PM EASTERN

CONFERENCE CALL

<b>FACILITATOR</b>	<i>Charles King, Chair, NGENC Technical Subcommittee</i>
<b>ATTENDEES</b>	<b>Core Team Members:</b> <i>Charlie King, Jeff Gordon, Allan Paul, John Bell for Ray Hessinger, Phil Meraz, Phil Meraz also as proxy for Eric Curtit, Marci Petterson, Momo Tamaoki, Jennifer Bastian, Mike Jenkins, Bernard Reynolds, Jeff Schultz, Art Peterson, Tarek Omar, Melissa Shurland, Larry Salci, Steve Hewitt, Tammy Krause</i> <b>Industry Members:</b> <i>Paul Jamieson, Dick Bruss, Richard Curtis, Joe Kenas, Kevin Myles, Bill Slater, Bill Saddler, Adam Saplin, Rich Stegner, Jack Madden, Don Sandala</i>
<b>ABSENTEES</b>	<i>Eric Curtit, Charlie Poltenson, Ray Hessinger, Jason Biggs, Brian Marquis, Chris Witt, Mike Murray, Melissa Shurland, Byron Comati, Mike Murray, Michael Burshtin, Curtis McDowell, Duncan Copland, Anand Prabhakaran</i>

## 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, the presence of a quorum was confirmed.

**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:**

Charlie King provided an overview of today's agenda.

**3.**

**Review of Action Items that are not on the agenda – Steve Hewitt:**

Steve Hewitt reviewed the open action items, providing a brief update on only those items that were not to be specifically covered on the agenda:

**Maintaining Industry Participation List: Status:** There are currently **253** registered industry participants.

**Requesting Backgrounder educational document:** The 2018 version of the NGENC Backgrounder is available electronically or by hard copy. Contact Steve Hewitt at [shewitt109@aol.com](mailto:shewitt109@aol.com) for copies; if you desire hard copies, please tell Steve how many you need and provide a mailing address.

**AWG/RVACC Update:**

Melissa Shurland, provided a complete update on the RVAAC and AWG efforts at the NGENC Annual Meeting on 2-23-18. The presentation is available on the NGENC website at [www.ngec305.org](http://www.ngec305.org).

The last update provided was on 5-3-18:

*No new updates on AWG. We are working in final report.*

*No new info from US Access Board on the rule for accessibility on Rail Vehicles.*

On 9-20-18 – there was nothing new to report.

**Updating ECP Standards** This ongoing item is being tracked by the Technical subcommittee with status updates provided as activities occur.

On 8-23-18, Paul Jamieson reported:

*The ECP revenue service demonstration continued in June and July with the coaches in emulation service only due to overhauls being performed. No emulation faults were reported in this time period.*

*APTA PRESS ECP standards will be distributed for Mechanical group voting in September.*

On 9-20-18 – there was nothing new to report.

#### **Periodic Brake Maintenance:**

On 5-17-18, Paul Jamieson provided the following information for inclusion in the minutes:

*The FRA has requested APTA PRESS Mechanical to support the codification of various existing waivers regarding brake periodic maintenance as cover under 49 CFR 238.309. Electronic air brake (NYAB and Wabtec), 26C, 26L and other types of brake equipment will potentially be lengthened under this review. The FRA has a short time window to prepare these updates for internal review and then be published in the Federal Register later this year.*

On 9-20-18 – there was nothing new to report.

Ongoing

#### **Update: AAR TAG Committee on Headlights – Phase 2:**

On 7-25-18, Tarek Omar reported that they are preparing for Phase two. Once underway, Tarek will provide status updates as he did with Phase one.

Ongoing

#### **Electronics on Trains Working Group:**

On 9-6-18, Tom Sisler was unavailable but provided the following update for inclusion in the minutes:

*The committee has met in August and discussed the DTL Software Specification PRIIA 305-920 and notes were captured. The next steps are to convert meeting notes in 305-920 and the meeting notes in the requirements document the committee is creating into two working drafts. The plan would be to run the two draft documents by the committee for tweaks.*

Next update – 10-4-18

#### **University of Nebraska presentation on High Speed wireless technology:**

Hamid Sharif-Kashani provided a brief update on the University of Nebraska High Speed Wireless Study. They continue to develop simulator platforms and models for 4G and 5G technology on trains. Hamid expects the work to be complete in October 2018.

Hamid offered to work with any members of the NGEN interested in wireless data impacting things like DTL and impacts of different locations such as tunnels or mountains. They would love to work with NGEN members on a variety of scenarios that may need to be addressed.

Hamid also noted that they are doing a study regarding radar software in railyards. One example is radar to detect trespassers in railyards. Again, Hamid offered to assist any members of the NGEN interested in learning more about this effort.

Next update: 10-4-18

#### **Amtrak Equipment Procurement Update:**

Charlie King reported that the RFP for locomotives is now closed. They have received input and the Amtrak Technical committee will now undertake a review of the information received. They are working through that process now and should complete the review in a month or two.

For the RFI for cars – they met today with Stadler – it was the second meeting with Stadler because the states had not been involved in the first interview, so Stadler was asked back in today and the states were invited to participate. New York, IDOT and Caltrans were on the call.

This is the last presentation on the RFI.

**Next Update: 10 -4-18**

**DEF-UREA Update:**

DEF supply and usage are reported to be working well in all areas of the country where the Chargers are in use. No issues reported. The one item that is being worked on is the information needed from Amtrak on usage amounts, for invoicing in the Midwest in relation to the multi-state split.

Ongoing

**4. Approval of the Minutes from 9-6-18 – Charlie King, Amtrak:**

With a quorum having been confirmed, Charlie King called for a motion to approve the minutes from the 9-6-18 conference call:

A motion to approve was offered by Phil Meraz, Iowa DOT, and was seconded by John Bell, NYSDOT. With no objections or exceptions forthcoming, the minutes from the 9-6-18 conference call were considered approved as presented.

**5. Update: Multi State Rail Car Procurement – Momo Tamaoki, Caltrans:**

Momo Tamaoki provided the following update for inclusion in the minutes:

- *Three critical cab car DCRs were submitted to NGEN on 7/30. The three are: Car Length Over Couplers, Carbody/Cab Construction and Cab Car Floor Height Transition. A conference call took place on 9/14 for discussion, and the vote will happen at a later date.*
- *Dynamic testing discussions occurred August 7 & 8 in Chicago with a technical discussion session on 8/7 including Amtrak and FRA and a commercial & insurance discussion on 8/8. Many action items were identified, and Caltrans, IDOT, Amtrak and FRA will continue ongoing discussions to resolve all issues identified at the meetings. Caltrans and IDOT issued a first letter to SCOA/Siemens addressing some of our action items on Friday 9/7. The follow up meeting took place on September 13 and we will have on-going meetings monthly.*
- *Preliminary Design Review for the Café car took place in the week of 9/11 in Sacramento with a full PDR session for the Galley Equipment. Following was an overview presentation of the adapted systems changes from standard coach to café coach. Amtrak Public Health team joined us for the Galley portion of the meeting. Amtrak Rolling Stock Engineering team has provided input to various signage and color scheme for the cafe cars.*
- *System-level FDR approvals of the Carbody & Clearance, Water & Waste, HVAC and Brakes have been provided to SCOA/Siemens. Gap Filler and Diagnostic System action items have been addressed and approval request letters have been received. Caltrans submittals to FRA for Safety Appliance and Carbody will occur in September. Siemens is currently gathering the final drawings for the Safety Appliance submittal.*
- *The first 7 carshells are in production at Siemens Sacramento Facility with carshell #1 in the final stages of inspection and quality acceptance before the passivation process. The expansion of the Sacramento production facility is in process and on target for a November completion.*
- *Caltrans worked with San Joaquin JPA, SCOA, and Siemens to finalize the design concept of Cab Cars. The letter to outline the design concept was sent to SCOA/Siemens last week.*
- *Caltrans worked with San Joaquin JPA, CCJPA and IDOT to summarize the requirements for café cars. The letter to outline the design requirements were sent to SCOA/Siemens this week.*

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

John Bell reported on behalf of Ray Hessinger that the Metro-North procurement is ongoing, and there is nothing further to report at this time.

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

Tammy Krause provided the following update:

Three DCRs have been submitted for the Single Level Specification that are currently unapproved;

- DCR 003-177, Sections 1.4.3.1/4.3.1: Request to increase the length of the Cab Car by 17"
- DCR 003-178, Sections 1.4.3.1/4.3.1: Specifies that the height of 4'3" ATOR is in passenger accessible areas
- DCR 003-179, Sections 1.4.4/4.1/4.4.6.1: Alternate steel types can be used in the end underframe and structure to satisfy Cab structural and CEM requirements

These were submitted to the Mechanical Group and the Structural Group. The Mechanical Group has met and discussed them. The Mechanical Group has contacted Siemens with questions and Siemens has agreed to provide some additional information to answer questions from the group. That information is expected by the end of the month. The Mechanical Group will meet October 5 to review the information and vote. The Mechanical Group has requested that the Structural Group consider DCR 179 in addition to their review. I have not received an update from the Structural Group.

I have talked with Ray Hessinger about the MNRR Dual Mode Locomotive procurement. He gave me the copy of the current PRIIA Dual Mode Locomotive Specification marked up by MNRR with changes and an included addendum that has chapter and section total rewrites. I am going to work on updating the changes and moving this information into DCRs. The DCRs will be submitted to the appropriate working groups in a table form due to the volume. Some proposed changes will have to be addressed in Chapter 23 (Customer Variables). MNRR will provide support and answer questions during this process. The goal is ultimately an improved Dual Mode specification that can be used by MNRR and other rail systems.

The requirements document for the Single Level Specification that I have a copy of is Revision 1. If anybody has a copy of the requirements document with a different revision level, can you please send it to me?

A discussion regarding the above-mentioned requirements document followed Tammy's report. The issue is that Larry is using Revision 0.6 as the current requirements document, but the last known approved version is Revision 1.0 (approved in 2010) Version 0.6 has a great deal more detail and it is critical to have a determination as to which is the correct Executive Board approved version. The requirements documents for all PRIIA specs are in the purview of the NGEN Executive Board and are the documents that direct the development of each specification. This issue will be addressed as part of the Document Control Update on the next Executive Board call – 9-25-18. It is up to the Board to provide a determination.

## 8.

### Other Issues:

With no further business forthcoming for today's call, Charlie King adjourned the meeting at 3:21pm Eastern.

**Next Call: 10-4-2018 – 3:00pm Eastern**

## Decisions and Action Items

**Updating ECP Standards** This is an ongoing item which the Technical subcommittee is tracking – it is anticipated that status updates will take place on every other call.

On 8-23-18, Paul Jamieson reported:

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Ongoing

On 9-20-18 – there was nothing new to report.

**AWG/RVACC Update:**

On 2-23-18, Melissa provided an update on the FRA/OSU project. She also provided a complete update on the RVAAC effort at the NGEC Annual Meeting on 2-23-18. The presentation is available at [www.ngec305.org](http://www.ngec305.org)

On 9-20-18 – there was nothing new to report.

Melissa has reached out to the Access Board for a status on the issuance of the proposed rule but has not received a response as of 7-12-18. When she receives it, she will send it to Steve Hewitt for dissemination to the members of the Technical subcommittee.

Ongoing

On 9-20-18 – there was nothing new to report.

**Requesting Background educational document:** The two-pager educational document is available electronically or by hard copy. Contact Steve Hewitt at [shewitt109@aol.com](mailto:shewitt109@aol.com) with the number requested and an address to send them to.

**Maintaining Industry Participation List: Status:** There are currently **253** registered industry participants. Members are asked to review the industry member list and send any corrections – additions – deletions to Steve Hewitt.

**AAR TAG Committee on LED Headlights:**

Phase One is complete.

Phase two is being developed – once it begins – updates will be provided.

**PRIIA Multi-State Procurement Updates:**

**Multi-State Car Procurement - Caltrans (Lead State):** Progress reports from the lead state will be provided on each subcommittee call. See agenda item 5, above, for today's update (9-20-18).

**Charger Locomotive Update** – updates will be provided as warranted.

**Document Control Update as of 9-20-18:**

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Ongoing

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**Next update: 10-4-18**

**Metro North Dual Mode Locomotive Procurement as of 9-20-18:**

Ongoing

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This is the last presentation on the RFI.

**Next Update: 10 -4-18**

**Next call: 10-4-18**

**Call in number is:**

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

**ATTACHMENTS**



**PRIIA Section 305 Tech Sub Committee Meeting**

**September 20, 2018**

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 9-6-18                          | Charles King  |
| 5. Update: Multi-State Rail Car Procurement             | Momo Tamaoki  |
| 6. Update: Metro-North Dual Mode Locomotive Procurement | Ray Hessinger |
| 7. Update: Document Control                             | Tammy Krause  |
| 8. Other issues   | All           |
| 9. Review this meeting:                                 | Steve Hewitt  |
| a) Decisions  |               |
| b) New Action Items                                     |               |

***Technical Sub Committee Conference Call Meeting:  
Thursday 9-20-18 / 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 –10-4-18 at 3:00pm Eastern***