

# SECTION 305 TECH SUB COMM

MINUTES

SEPTEMBER 6,  
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, Ray Hessinger, Phil Meraz, Eric Curtit, Art Peterson for Jennifer Bastian, Mike Jenkins, Jeff Schultz for Marci Petterson, Michael Burshtin, Byron Comati, Tarek Omar, Mike Murray, Duncan Copland, Larry Salci, Steve Hewitt, Dave "Emeritus" Warner</i> <b>Industry Members:</b> <i>Dick Bruss, Joe Kenas, Steve Morrison, Jack Madden, Rich Stegner, James Michel, Hamid Sharif Kashani, John Graham, Kevin Myles, Jon Mullin, Steve Ojalvo, Michael Jensen</i>
<b>ABSENTEES</b>	<i>Marci Petterson, Charlie Poltenson, Jason Biggs, Jennifer Bastian, Momo Tamaoki, Brian Marquis, Chris Witt, Tom Sisler, Tammy Krause</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 **250** registered industry participants.

**Requesting Background 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 9-6-18 – 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 9-6-18 – 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 9-6-18 – 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

**4.**

**Approval of the Minutes from 8-23-18 – Charlie King, Amtrak:**

With a quorum having been confirmed, Charlie King called for a motion to approve the minutes from the 8-23-18 conference call:

A motion to approve was offered by Art Peterson for IDOT, and was seconded by Phil Meraz, Iowa DOT. With no objections or exceptions forthcoming, the minutes from the 8-23-18 conference call were considered approved as presented.

**5.**

**Update: Multi State Rail Car Procurement – Steve Hewitt for Momo Tamaoki, Caltrans:**

Momo Tamaoki provided the following update for inclusion in the minutes – Steve Hewitt read it into the record:

- *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. Tammy already sent those DCRs to the appropriate working group. Awaiting to receive updates from Tammy.*
- *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 will be issuing a first letter to SCOA/Siemens addressing some of our action items. The letter will go out this week.*
- *Preliminary Design Review for the Café car commences next week in Sacramento with a full PDR session for the Galley Equipment. Following will be an overview of the adapted systems changes from standard coach to café coach. Amtrak Public Health team will be joining us for this meeting. Amtrak Rolling Stock Engineering team also helped with 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 action items have been addressed with approval to follow. Caltrans submittals to FRA for Safety Appliance and Carbody to occur in September.*
- *The first 5 carshells are in production at Siemens Sacramento Facility with carshell #1 in the final stages of integration and welding. The expansion of the Sacramento production facility is in process and on target for a November completion.*
- *Caltrans is working with San Joaquin JPA, SCOA, and Siemens to finalize the design concept of Cab Cars. We are targeting end of September to finalize the design concept.*

Jeff Gordon, FRA, reported that the 3 DCRs mentioned in the update (above) were submitted to his team (Mechanical Working Group) and he has distributed them to team members. A conference call is scheduled for Friday, 9-14-18 for discussion should there be any disparate opinions.

Charlie King noted that he will let Momo know of the status.

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

Ray Hessinger reported that Metro-North has released Phase I of its Dual Mode Locomotive procurement.

This week Metro-North issued amendment #5 to the RFP including the technical specification for the locomotive.

Metro-North is not entertaining questions on the specification from builders during Phase I of their procurement. Shortlisted firms may submit questions related to the technical specification during Phase II of their procurement.

The specification is available through the Metro-North procurement portals. It is formatted as a red line mark-up of the PRIIA Specification, so the differences can be seen. Some differences are merely format changes, but others are entire chapters.

**7.  
Update: Amtrak Equipment Procurement – Charlie King:**

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.

Byron Comati, Amtrak, added that the date for RFI response from vendors is October 8<sup>th</sup> or 11<sup>th</sup> (he wasn't sure which) – so "the time is almost upon us".

**8.  
Document Control Update – Tammy Krause, NGEC DCM:**

Tammy Krause was unavailable, so this item was tabled until the next call 9-20-18.

**9.  
Update: Electronics on Trains Working Group – Tom Sisler:**

Tom Sisler was not available for today's call (9-6-18) but provided the following update which was read into the minutes by Steve Hewitt:

*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.*

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

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 NGEC interested in wireless data impacting things like DTL and impacts of different locations such as tunnels or mountains. They would love to work with NGEC 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 NGEC interested in learning more about this effort.

**11.****Other Issues:**

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

**Next Call: 9-20-2018 – 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:

*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 9-6-18 – 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 potential 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.*

Ongoing

On 9-6-18 – 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 NGEAC Annual Meeting on 2-23-18. The presentation is available at [www.ngec305.org](http://www.ngec305.org)

No update for 7-26-18

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 9-6-18 – 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 **250** 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 (9-6-18).

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

**Document Control Update as of 8-23-18:**

Tammy Krause was unavailable, but informed Steve Hewitt in advance that she did not have anything new to report. Momo Tamaoki, Caltrans, asked about the status of the three DCRs submitted on 7-30-18. Steve Hewitt noted Tammy had reported on 8-9-18 that they were received and in process. Charlie King agreed to follow up with Tammy and be sure to let Momo know where they are in the process.

On 9-6-18 – no update was forthcoming.

**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.*

**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

**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 NGENC interested in wireless data impacting things like DTL and impacts of different locations such as tunnels or mountains. They would love to work with NGENC 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 NGENC interested in learning more about this effort.

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

**Metro North Dual Mode Locomotive Procurement 9-6-18:**

This week (week of 9-3-18) Metro North issued amendment #5 to the RFP including the technical specification for the locomotive.

Metro-North is not entertaining questions on the specification from builders during Phase I of their procurement. Shortlisted firms may submit questions related to the technical specification during Phase II of their procurement.

The specification is available through the Metro North procurement portals. It is formatted as a red line mark-up of the PRIIA Specification, so the differences can be seen. Some differences are merely format changes, but others are entire chapters.

**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**

**Next call: 9-20-18**

**Call in number is:**

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

## ATTACHMENTS



The NGEC will provide national leadership in standardization, acquisition, financing and management of passenger rail equipment.

### PRIIA Section 305 Tech Sub Committee Meeting

September 6, 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 8-23-18                              | Charles King         |
| 5. Update: Multi-State Rail Car Procurement                  | Momo Tamaoki         |
| 6. Update: Metro-North Dual Mode Locomotive Procurement      | Ray Hessinger        |
| 7. Update: Amtrak Equipment Procurement                      | Charlie King         |
| 8. Update: Document Control                                  | Tammy Krause         |
| 9. Update: Electronics on Trains Working Group               | Tom Sisler           |
| 10. Update: University of Nebraska High Speed Wireless Study | Hamid Sharif Kashani |
| 11. Other issues   | All                  |
| 12. Review this meeting:                                     | Steve Hewitt         |
| a) Decisions   |                      |
| b) New Action Items  |                      |

***Technical Sub Committee Conference Call Meeting:***  
***Thursday 9-6-18 / 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 -9-20-18 at 3:00pm Eastern***