

# SECTION 305 TECH SUB COMM

MINUTES

DECEMBER 13,  
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, Momo Tamaoki, Allan Paul, Ray Hessinger, John Bell, Eric Curtit, Jennifer Bastian, Phil Meraz, Jennifer Bastian, Jeff Schultz for Marci Petterson, Michael Burshtin, Duncan Copland, Mike Kraft, Curtis McDowell, Melissa Shurland, Tarek Omar, Steve Hewitt, Larry Salci, Tammy Krause</i> <b>Industry Members:</b> <i>Walt Stringer, Richard Curtis, Don Sandala, Tom Sisler, Darrell Smith, Tom LaMano, Joe Kenas, Al Bieber, Dave Ward, Jack Madden, John Graham, Wulf Dicke, Paul Arnone, Dick Bruss</i>
<b>ABSENTEES</b>	<i>Marci Petterson, Mike Jenkins, Jason Biggs, Brian Marquis, Byron Comati, Bernard Reynolds, Anand Prabhakaran, Charlie Poltenson Art Peterson</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)**

Charlie was in transit, and remained on the line, but asked Steve Hewitt to run the agenda on Charlie's behalf, with Charlie commenting as needed.

### 2.

#### **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:** Steve Hewitt reported that he has gone through the industry list and purged emails that have recently been kicking back as undeliverable and has updated the list entirely. The list will be attached to the email with today's (12-13-18) minutes, and members are asked to review it to be sure there are not missing members or information that needs to be updated.

**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. The document is now being reviewed by the NGENC Finance and Administrative subcommittee and a slightly updated version will be available at the Annual Meeting.

#### **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).

On 10-4-18 – Melissa Shurland reported that there still has been no word from the RVACC on the possible release of a rule for accessibility on Rail Vehicles.

There was no update provided on 12-13-18.

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

On 12-13-18, Paul Jamieson provided the following update for inclusion in the minutes which Steve Hewitt read into the record:

*"The revenue service demonstration since June 2014 has accumulated 866,670 ECP miles and 2,029,946 emulation miles for a total*

of 2,896,616 miles. There were no ECP equipment faults since the previous report.

The standards are out for public comment but due to the Holiday Season, the public comments received will not be addressed until January 2019.

**SPECIAL NOTE:** For the state agencies that have third parties maintaining their equipment, "APTA PR-M-S-005-98 Rev. 4 Code of Tests for Passenger Car Equipment Using Single Car Testing", which is applicable to 26C type brake equipment is now available. The standard can be found at <https://www.apta.com/resources/standards/press/Pages/default.aspx>. This standard revision must be used when performing the annual single car test after March 1, 2019."

Please advise if you have any questions.

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**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.

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

Locomotive procurement:

Charlie King reported that there have been successful bidders for the P42 locomotives and the negotiation phase will begin shortly. Charlie anticipates that before the next subcommittee meeting the contract will be awarded. The base is for 75 P42s with increments of 25.

Car procurement:

The RFI session is closed. There was one additional vendor presentation that took place this morning (11-29-18), and, Charlie noted, that states were on the call hearing the presentation along with Amtrak. Underwriting of the RFP is now taking place. Charlie expects the DRAFT RFP to be released around the middle of December.

Asked if the Locomotive contract included Dual Mode Locomotives or only the P42's, Charlie noted that the RFI included Dual Mode Locomotives as well as P42s, and that option is in the RFP, but the current base of 75 is for P42s only.

**Next update – 1-10-19**

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**4. Approval of the Minutes from 11-29-18 – Charlie King, Amtrak:**

With a quorum having been confirmed, Charlie King called for a motion to approve the minutes from the 11-29-18 conference call:

A motion to approve was offered by Eric Curtit, MODOT, and seconded by Phil Meraz, Iowa DOT. With no further objections or exceptions forthcoming, the minutes from the 11-29-18 conference call were considered approved as presented.

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

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

- *Of the three critical Cab Car DCRs, two have been approved by the NGENC subcommittee – Carbody/Cab Construction and Cab Area Floor Height. The pending Car Length Over Couplers DCR would be an allowed exception to the PRIIA specification pending approval of an NGENC rule change. The PRIIA specification text would not be changed. A DCR regarding the PRIIA vertical curve requirements has been submitted to NGENC.*
- *System-level FDR approvals of the Carbody & Clearance, Water & Waste, HVAC, Gap Filler, Digital Communications, Diagnostic System, Double Sliding Step, Accessible Toilet Room, Safety Appliances, Lighting Systems, Semi-Permanent and H-type couplers, Trucks, Exterior Doors, Interior Doors and Brakes have been provided to SCOA/Siemens. End Doors is currently in queue for approval. Most actions for Gangway are complete with closure and system level approval expected soon. Caltrans submittals to FRA for Safety Appliance and Carbody are complete and under review. The package containing the Clearance Envelopes have been submitted to Amtrak for review and approval. Virtual 3D mockups were presented to Caltrans and IDOT to showcase updates to the vestibule area including the End Doors and Trap Doors.*
- *The first 12 carshells are in production at Siemens Sacramento Facility and carshell #1 has passed its FAI and associated rework has been completed. Carshell #2 has completed passivation. Carshell #3 has begun the passivation process. Carshell 4 has completed initial customer inspection and carshells 5 through 9. The expansion of the Sacramento production facility is slightly delayed due to permitting issues but there is no effect on the schedule thus far.*
- *The FAI process is underway and FAIs have occurred for the Carshell Complete, Digital Communication System, Lighting System, Couplers, Sanitary System, Sidewall Lining, FRP Panels, Flooring and heated panel and Battery Charger. Open items are being addressed and the FAIs are revisited for closure by the customer team as needed. FAI for the Low Floor Door Panel is to be conducted in mid- December.*

## 6.

### **Document Control Update – Tammy Krause, NGENC DCM:**

Tammy Krause provided the following update for inclusion in today's minutes (12-13-18):

*Two Tech Subcommittee approved DCRs are awaiting approval at the EB level. One DCR is waiting on a potential process change and a new DCR was received. The new DCR is number 3-180 and has been sent to the VTI group for acceptance.*

*A proposed seat track drawing has been sent to the tech subcommittee for comments. Please send any comments on this drawing to me before the end of the year. I will compile them and send them to the Interiors group. Hopefully we will be able to vote on this at the next meeting which.*

*I am in the process of updating the Trainset specification and I will be sending out DCRs at the end of the week to the group leaders. These DCRs will be based upon all relevant approved DCRs for any of the specifications that were approved since the last version of the trainset spec.*

In response to a question from Momo Tamaoki about the status of the pending process change related to the car Length DCR, Eric Curtit weighed in stating that the NGENC Board is looking at adopting a resolution to approve a one- time only allowance for the additional length to the Cab Car. He noted that there is no need to amend Document Management Procedures. The NGENC Document Management Procedures (305-100) never anticipated the DCR process to be utilized to address contract issues. Therefore, to preserve the States NGENC policy of standardization, a one-time allowance will be considered via resolution by the NGENC Board.

Eric added that he is working with Larry Salci on this issue and DRAFT resolution has been prepared but is under review by FRA to see if I will accept the concept. The Board will get the DRAFT resolution to review and consider after input has been received from FRA.

Eric agreed to send Momo the DRAFT resolution – which has not yet been submitted to the Executive Board.

## 7.

### **Update: Electronics on Trains – Tom Sisler:**

Tom Sisler reported that the working group has spent much of this year developing a requirements document in advance of preparing the specification. The group is now making changes to the DRAFT requirements document.

Tom noted that the working group will next meet at the end of January and will likely have something to report to the Technical subcommittee in February – 2019.

Tom also noted that they had been looking at a DTL software specification 920 but have tabled it for now and may sunset it for another specification as technology advances.

**8.**

**Update: High Speed Wireless Study – Hamid Sharif-Kashani, University of Nebraska:**

Hamid was unavailable, so this item was tabled until the next call.

**9.**

**NGEC 2019 Annual Meeting – 2-22-19 Hyatt Regency Capitol Hill Washington, DC – Steve Hewitt:**

- a. Registering for the meeting:

In order to be registered for the NGEC meeting, please send an email separately to Steve Hewitt at [shewitt109@aol.com](mailto:shewitt109@aol.com). There is no registration fee for the NGEC meeting. Registering with Steve is important for head count and for printing name badges and putting together meeting packets. We have 25 registered to date.

- b. Room Block info

**Room Block Information – Hyatt Regency Hotel, Capitol Hill, Washington, DC:**

The room rate is \$181 per night plus tax which is the per diem rate for DC. **Attendees have until January 29, 2019 to reserve their room at the group rate.**

**Hyatt Regency Washington On Capitol Hill**

400 New Jersey Ave, NW  
Washington, DC 20001

[https://www.hyatt.com/en-US/hotel/washington-dc/hyatt-regency-washington-on-capitol-hill/wasrw?corp\\_id=G-AHT9](https://www.hyatt.com/en-US/hotel/washington-dc/hyatt-regency-washington-on-capitol-hill/wasrw?corp_id=G-AHT9)

Please feel free to contact me with any questions.

Kamasha

**Kamasha Hendrickson, CMP, CGMP**

Senior Meeting Planner  
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Washington, DC 20001  
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E-mail: [khendrickson@aaashto.org](mailto:khendrickson@aaashto.org)

**10.**

**Other Issues:**

Due to the holidays, Chairman King canceled the next call (12-27-18) and scheduled the next call for 1-10-19.

With no further business forthcoming for today's call, Charlie King adjourned the meeting at 3:26pm Eastern.

**Next Call: 1-10-2019– 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 12-13-18, Paul Jamieson provided the following update for inclusion in the minutes which Steve Hewitt read into the record:

*"The revenue service demonstration since June 2014 has accumulated 866,670 ECP miles and 2,029,946 emulation miles for a total of 2,896,616 miles. There were no ECP equipment faults since the previous report.*

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#### **AWG/RVACC Update:**

On 10-4-18 – Melissa Shurland informed the subcommittee members that she still has not heard anything more from the RVACC on issuing a rule.

There was no update for 12-13-18

**Requesting Backgrounder educational document:** The 2018 version of the NGEC 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. The document is now being reviewed by the NGEC Finance and Administrative subcommittee and a slightly updated version will be available at the Annual Meeting.

**Maintaining Industry Participation List: Status:** Steve Hewitt reported that he has gone through the industry list and purged emails that have recently been kicking back as undeliverable and has updated the list entirely. Tech SC members are asked to review the list (sent 11-29-18) to be sure there are not missing members or information that needs to be updated.

#### **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.

As of 12-13-18:

- *Of the three critical Cab Car DCRs, two have been approved by the NGEC subcommittee – Carbody/Cab Construction and Cab Area Floor Height. The pending Car Length Over Couplers DCR would be an allowed exception to the PRIIA specification pending approval of an NGEC rule change. The PRIIA specification text would not be changed. A DCR regarding the PRIIA vertical curve requirements has been submitted to NGEC.*
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**Charger Locomotive Update** – updates will be provided as warranted.

**Document Control Update – Action items as of 11-29-18:**

*Two Tech Subcommittee approved DCRs are awaiting approval at the EB level. One DCR is waiting on a potential process change and a new DCR was received. The new DCR is number 3-180 and has been sent to the VTI group for acceptance.*

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Tom Sisler reported that the working group has spent much of this year developing a requirements document in advance of preparing the specification. The group is now making changes to the DRAFT requirements document.

Tom noted that the working group will next meet at the end of January and will likely have something to report to the Technical subcommittee in February – 2019.

Tom also noted that they had been looking at a DTL software specification 920 but have tabled it for now and may sunset it for another specification as technology advances.

Next Update – February 2019

#### **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 11-1-18, the model was reported to be almost complete with verification anticipated to occur by the end of this year and the "tool" will then be done. The next step would be field testing.

Next update: 1-10-19

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

ay Hessinger, NYSDOT, reported that Metro-North has withdrawn its RFP in order to change from a State funded to a Federal funded procurement. The new RFP should be issued shortly, but Ray does not have a date.

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

As of 11-29-18:

Locomotive procurement:

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Next update 1-10-19

**10.  
NGEC 2019 Annual Meeting – 2-22-19 Hyatt Regency Capitol Hill Washington, DC – as of 11-29-18:**

Review Draft Agenda:

Steve Hewitt provided a brief overview of the DRAFT agenda for the Annual Meeting. It has been tentatively approved as DRAFT and is subject to change. The agenda has been sent to all NGECE members and is attached to the minutes of today's (11-29-18) call.

Registering for the meeting:

In order to be registered for the NGECE meeting, please send an email separately to Steve Hewitt at [shewitt109@aol.com](mailto:shewitt109@aol.com). There is no registration fee for the NGECE meeting. Registering with Steve is important for head count and for printing name badges and putting together meeting packets.

Room Block info

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Please feel free to contact me with any questions.

Kamasha

**Kamasha Hendrickson, CMP, CGMP**

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**Next call: 1-10-19**

**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**

**November 29, 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 11-15-18   | Charles 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: Document Control  | Tammy Krause         |
| 9. Update: High Speed Wireless Study   | Hamid Sharif-Kashani |
| 10. NGEC 2019 Annual Meeting – 2-22-19 – Hyatt Regency Capitol Hill Washington, DC | Steve Hewitt         |
| a. Review Draft Agenda   |                      |
| b. Registration reminder   |                      |
| c. Room Block info   |                      |
| 11. Other issues   | All                  |
| 12. Review this meeting:   | Steve Hewitt         |
| a) Decisions   |                      |
| b) New Action Items  |                      |

***Technical Sub Committee Conference Call Meeting:  
Thursday 11-29-18 / 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 –12-13-18 at 3:00pm Eastern***



**8th Annual Meeting**  
**February 22, 2019**  
**8:00 am – 12:45 pm EST**  
**Hyatt Regency, Capitol Hill, Washington, DC**

**DRAFT Meeting Agenda**

8:00 - 8:25 am	Registration
8:25 – 8:30 am	Hotel Safety Briefing – Hotel Staff
8:30 – 8:35 am	Convene Annual Meeting: Eric Curtit, Missouri DOT, NGEN Chair
8:35 - 8:40 am	Self introductions
8:40 – 8:45 am	Roll call – establish the presence of a quorum: Steve Hewitt, NGEN Program Manager
8:45 – 8:50 am	Review Meeting Agenda: Eric Curtit Review Meeting Packets: Steve Hewitt
8:50 – 8:55 am	Approval of the Minutes from the February 12, 2019 Executive Board conference call
8:55 – 9:10 am	Chairman’s Report - Eric Curtit, Chair, NGEN Executive Board
9:10 - 9:25 am	Update from The Federal Railroad Administration - Michael Lestingi, FRA
9:25 – 9:40 am	Update from Amtrak Government Affairs – TBD, Amtrak
9:40 - 9:50 am	Treasurer’s Report & Finance & Administrative Subcommittee update - Tim Ziethen, Amtrak
9:50 – 9:55 am	Consideration of Acceptance of the Treasurer’s Report – Eric Curtit
9:55 - 10:15 am	Progress Report: Technical Subcommittee - Charlie King, Amtrak
10:15- 10:25 am	Annual Progress Report: Document Control Management – Tammy Krause
10:25 – 10:35am	Presentation- FRA/University of Nebraska High Speed Wireless Study – Tariq Omar, FRA Hamid Sharif-Kashani, University of Nebraska
10:35 – 10:45 am	Break
10:45 – 11:25 am	Equipment Procurements <ul style="list-style-type: none"><li>a. Multi-State Single Level Cars – Kyle Grading, Caltrans</li><li>b. Metro-North Dual Mode Locomotive Procurement – Ray Hessinger, NYSDOT</li><li>c. Amtrak Equipment Procurements – Charlie King, Amtrak</li></ul>
11:25 – 11:55 am	The Charger Locomotives deployment – status reports from the states and Amtrak <ul style="list-style-type: none"><li>a. Mid-West States Experience – John Oimoen, IDOT</li><li>b. California experience – Kyle Grading, Caltrans</li><li>c. Washington State Experience – Ron Pate, WSDOT</li><li>d. Amtrak Experience – Charlie King, Amtrak</li></ul>
11:55 – 12:10 pm	Progress Report – Equipment Acquisition and Ownership Best Practices Working Group – Eric Curtit - Overview DRAFT report
12:10-12:30 pm	Discussion: FRA’s New Rail Safety Rule: Impact on the NGEN and Future Procurements – Eric Curtit
12:30 – 12:45 pm	Questions/Comments/Other Issues - All Attendees
12:45 pm	Closing Comments/Adjourn – Eric Curtit