

SECTION 305 TECH SUB COMM

MINUTES

MARCH 8, 2018

3:00PM EASTERN

CONFERENCE CALL

FACILITATOR	<i>Charles King, Chair, NGENC Technical Subcommittee</i>
ATTENDEES	Core Team Members: <i>Charlie King, Jeff Gordon, Momo Tamaoki, Allan Paul, Jennifer Bastian, Charlie Poltenson, Eric Curtit, Curtis McDowell, Phil Meraz, Jason Biggs, Michael Burshtin, Steve Hewitt, Tarek Omar, Art Peterson, Christopher Witt, Tammy Krause</i> Industry Members: <i>Mario Bergeron, Hamid Sharif, Darrell Smith, Richard Curtis, Kevin Myles, Bill Slater, Bill Saddler, Pat Sheeran, Joe Kenas, Josh Coran, Steve Morrison, Wulf Dicke, James Michel</i>
ABSENTEES	<i>George Hull, Marci Petterson, Melissa Shurland, Brian Marquis, Andrew Wood, Larry Salci, Sal DeAngelo, Anand Prabhakaran, Tom Sisler</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

2.

Review of the Meeting Agenda:

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

3.

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

Prefacing the open Action Items review, Charlie King mentioned the announcement of the Pre-RFP meeting being hosted by Metro-North on March 28th as they begin the process of procuring Dual Mode (DC 3rd Rail) Locomotives. Steve Hewitt added that the announcement was sent to all NGENC Technical subcommittee members just prior to the call, at the request of NYSDOT, to inform interested parties. Steve also noted the PRIIA Dual Mode (DC 3rd Rail) Locomotive specification is the starting point and as the procurement progresses.

Steve Hewitt went on to review 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 **242** registered industry participants. Steve Hewitt has updated the industry list with the information at hand but continues to seek input from members regarding any additional updates or changes they may be aware of.

Requesting Background educational document: The new updated two-pager was released on 2-23-18 and is available electronically or by hard copy. For hard copies contact Steve Hewitt at shewitt109@aol.com with the number requested and an address to send them to.

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 3-8-17, Paul Jamieson, who was unavailable for the call, provided the following update for inclusion in the minutes and to be read into the record by Steve Hewitt:

For the reporting period ending in January 2018, the ECP revenue service demonstration mileage is 557.546 ECP miles, 1,822,848 emulation (brake pipe operation) miles and total 2.390.394 miles. Currently, Amtrak is performing preventive maintenance and interior upgrades to the four coaches and cab car. This preventive maintenance and interior upgrades

have resulted in a reduction of the ECP monthly mileage, but the other coaches remain in emulation revenue service demonstration.

The PRESS Mechanical ECP working group is working on completing the standards for voting by mid-2018. The NYAB and Wabtec annual equipment inspection reports are being prepared for FRA submittal. The CFR draft language is still under FRA review. The project completion is scheduled for the end of 2018.

AWG/RVACC Update:

Melissa Shurland, provided a complete update on the RVAAC and AWG efforts at the NGEN Annual Meeting on 2-23-18. The presentation is available on the NGEN website at www.ngec305.org.

4.

Approval of the Minutes from 2-8-18 – Charlie King, Amtrak:

With a quorum having been confirmed, Charlie King called for a motion to approve the minutes from the 2-8-18 conference call:

A motion to approve was offered by Charlie Poltenson, NYSDOT, and seconded by Allan Paul, NCDOT. With no objections or exceptions forthcoming, the minutes from the 2-8-18 conference call were considered approved as presented.

5.

Summary Overview – 2018 NGEN Annual Meeting – Charlie King/Steve Hewitt:

The Annual Meeting took place in Washington, DC at the Washington Court Hotel. There were 65 members representing 15 states, Amtrak, FRA and the rail manufacturing and supply industry in attendance. The meeting was a success – with some excellent presentations provided on the two equipment procurements (the Charger and the single level car) and a report on the progress of the Section 6 effort in the Mid-West states; the NGEN Treasurer's Report; as well as progress reports from the Technical subcommittee and the Finance and Administrative subcommittee. Additionally there were presentations from FRA and from Amtrak Government Affairs, as well as a progress report on AWG and RVACC projects given by Melissa Shurland, FRA.

All presentations are available on the NGEN website at www.ngec305.org.

Charlie King provided an overview of his impression of his first NGEN Annual Meeting. Charlie called it an "insightful and collaborative" meeting, and expressed how pleased he was to meet many of those who attended. It was good to put names and faces together. He was pleased with the meeting presentations and thought they were very well received. Charlie also noted that the time before and after the meeting and during the break were very beneficial as a way to meet members and get input from them. He found this to be very valuable time spent, and looks forward to next year's 9th Annual Meeting of the NGEN.

Mario Bergeron, former NGEN Vice-chair and Chair of the Technical subcommittee was on the call today as well, and Charlie commented that he hoped Mario would be able to attend next year, and that it would be great to see him again. Mario responded that he will make every effort to be there, and is looking forward to it.

6.

Update: Multi State Car Procurement – Momo Tamaoki, Caltrans:

Momo Tamaoki, Caltrans, provided the following update for inclusion in today's (3-8-18) minutes:

- *Detailed Master Schedule was submitted by SCOA/Siemens on Jan 5. Caltrans/IDOT reviewed the schedule thoroughly and it was approved with a few updates requested for the next submittal. We had a meeting with SCOA/Siemens on 2/28 to resolve all the open items on the Master schedule.*
- *The next design review is scheduled for the week of 3/19. The discussion topics include end doors for IDOT, wheelchair lift, diagnostics, seats and safety appliances.*
- *Siemens will be visiting Chicago Maintenance Facility on March 19. They will be taking a facility tour, meeting with IDOT and Amtrak mechanical and operational staff to learn about the standard practices and tooling requirements in Illinois.*
- *The Mock up review is scheduled in the week of April 9 in Florida. We will be using Brightline's cars to review some of the components in the cars, such as toilet rooms, gangway, HVAC, communication system, etc.*
- *Caltrans has been developing and submitting Document Change Requests (DCR) to NGEN. Caltrans has submitted 15 DCRs last week and awaiting approval from NGEN. 12 out of those 15 items were HVAC related*

and three are related to Seat tracks, Door Operators, and Air Brake Control Valve.

**7.
Document Control Update – Michael Burshtin, Amtrak:**

Michael Burshtin, Amtrak, provided the following Document Control Update for inclusion in today's minutes (3-8-18):

The three single-level Document Change Requests received earlier are concluding their Technical subcommittee group reviews, as they were found to also need the Technical subcommittee to verify and needed a little more detailed review. On March 1 we had 15 single-level DCRs received, and they have been initially processed and forwarded to their appropriate Technical subcommittee for review and disposition. Three diesel-electric locomotive DCRs have also been recently received, and they are being processed for referral to the appropriate Technical subcommittee for review. We anticipate additional single-level DCRs to be submitted in the near future.

**8.
Progress Report – Electronics on Trains Working Group:**

Working Group Chair, Tom Sisler, was not available for today's call, so this item was tabled until the next call (3-22-18).

**9.
AAR TAG Committee on LED Headlights – Tarek Omar, FRA:**

Tarek Omar, FRA, reported that he has nothing more to add from his last update provided on 2-8-18.

**10.
Other Issues:**

Hamid Sharif, from the University of Nebraska, expressed interest in giving a presentation on the university's investigation into high speed wireless technology. It is his hope that he can present on the next Technical subcommittee call, or one in the near future. At Steve Hewitt's request, Hamid provided a brief outline of the presentation – Steve will forward the outline to Chairman King for his review.

Charlie will review the outline and contact Hamid with any questions he may have. He will also let Steve Hewitt know if/when it should be scheduled for presentation to the NGEK Technical subcommittee.

With no other business forthcoming for today's call, Charlie King adjourned the meeting at 3:25pm Eastern.

Next Call: 3-22-2018 – 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 3-8-17, Paul Jamieson, who was unavailable, provided the following update for inclusion in the minutes and to be read into the record by Steve Hewitt:

For the reporting period ending in January 2018, the ECP revenue service demonstration mileage is 557.546 ECP miles, 1,822,848 emulation (brake pipe operation) miles and total 2.390.394 miles. Currently, Amtrak is performing preventive maintenance and interior upgrades to the four coaches and cab car. This preventive maintenance and interior upgrades have resulted in a reduction of the ECP monthly mileage, but the other coaches remain in emulation revenue service demonstration.

The PRESS Mechanical ECP working group is working on completing the standards for voting by mid-2018. The NYAB and Wabtec annual equipment inspection reports are being prepared for FRA submittal. The CFR draft language is still under FRA review. The project completion is scheduled for the end of 2018.

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

<p>effort at the NGEN Annual Meeting on 2-23-18. The presentation is available at www.ngec305.org</p>
<p>Requesting Backgrounder educational document: The new updated two-pager was released on 2-23-18 and is available electronically or by hard copy. For hard copies contact Steve Hewitt at shewitt109@aol.com with the number requested and an address to send them to.</p>
<p>Maintaining Industry Participation List: Status: There are currently around 242 registered industry participants.</p>
<p>AAR TAG Committee on LED Headlights:</p> <p>Next update: 3-22-18</p>
<p>Procurement Update:</p> <p>Multi-State Car Procurement - Caltrans (Lead State): Progress reports from the lead state will be provided on each subcommittee call. See agenda item 6, above, for today's update (3-8-18).</p>
<p>Michael Burshtin, Amtrak, provided the following Document Control Update for inclusion in today's minutes (3-8-18):</p> <p><i>The three single-level Document Change Requests received earlier are concluding their Technical subcommittee group reviews, as they were found to also need the Technical subcommittee to verify and needed a little more detailed review. On March 1 we had 15 single-level DCRs received, and they have been initially processed and forwarded to their appropriate Technical subcommittee for review and disposition. Three diesel-electric locomotive DCRs have also been recently received, and they are being processed for referral to the appropriate Technical subcommittee for review. We anticipate additional single-level DCRs to be submitted in the near future.</i></p> <p><i>Please send your DCR forms to burshtm@amtrak.com for processing. I can also be reached at 215-349-1776.</i></p>
<p>Electronics on Trains Working Group:</p> <p>Next update 3-22-18</p>
<p>DEF-UREA Update: On 10-5-17, Mario Bergeron suggested that it was time to get an update on the DEF-UREA as it has been a while and it would be good to hear how the implementation is going.</p> <p>On 11-2-17, Jennifer Bastian, IDOT, provided the following update/DEF recap for inclusion in the minutes of the call:</p> <ul style="list-style-type: none"> a) <i>Locomotives have been in operation in five different states and DEF supply contracts are in place</i> b) <i>Amtrak has established processes for DEF procurement and handling.</i> c) <i>Midwest fill points are currently Chicago and Milwaukee. Truck based delivery is in place. Contracts are in place. Supply is going well, no problems reported.</i> d) <i>WSDOT supply chain is set up and ready to run.</i> e) <i>Fill point is set up in Oakland for Caltrans. The contracts are in place to add another fill point in LA. Caltrans has placed a storage container at the site in Oakland and is doing some initial research into a more permanent storage container/building.</i> f) <i>Plan is to gather usage data from the Chargers for next year and re-evaluate supply once we have more data.</i> <p>Nothing new to report on 3-8-18.</p>
<p>University of Nebraska presentation on High Speed wireless technology:</p> <p>Hamid Sharif, from the University of Nebraska expressed interest in giving a presentation on the university's efforts with regard to high speed wireless technology. It is his hope that he can present on the next Technical subcommittee call, or one in the near future. He has, at Steve Hewitt's request, provided a brief outline of the presentation for Chairman King's review.</p> <p>Charlie will review the outline and contact Hamid with any questions he may have and let Steve Hewitt know when this item should be added to the subcommittee agenda.</p>
<p style="text-align: center;">Next call 3-22-18 Call in number is:</p>

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

ATTACHMENTS

Next Generation
Equipment Committee



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

PRIIA Section 305 Tech Sub Committee Meeting

February 8, 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 1-25-18 | Charles King |
| 5. Update: Diesel-Electric Locomotive Procurement | Jennifer Bastian |
| 6. Update: Multi-State Rail Car Procurement | Momo Tamaoki |
| 7. Document Control Update | Michael Burshtin |
| 8. Progress Report: Electronics on Trains Working Group | Tom Sisler |
| 9. AAR TAG Committee on LED Headlights | Tarek Omar |
| 10. NGEC 2018 Annual Meeting - Washington, DC -2-23-18 | Steve Hewitt |
| 11. Other issues | All |
| 12. Review this meeting: | Steve Hewitt |
| a) Decisions | |
| b) New Action Items | |

***Technical Sub Committee Conference Call Meeting:
Thursday 1-25-18 / 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 -3-8-18 at 3:00pm Eastern***