

SECTION 305 TECH SUB COMM

MINUTES

MAY 17, 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, Ray Hessinger, Jeff Schultz for Marci Petterson, Art Peterson for Jennifer Bastian, Jason Biggs, Eric Curtit, Phil Meraz, Michael Burshtin, Duncan Copland, Curtis McDowell, Steve Hewitt, Tarek Omar, Melissa Shurland, Tammy Krause, Industry Members:</i> <i>Jack Madden, Hamid Sharif, Paul Jamieson, Mario Bergeron, Josh Coran, Jon Mullin, Wulf Dicke, Bill Slater, Don Sandala, Darrell Smith, James Michel, Rick Brilz, John Graham</i>
ABSENTEES	<i>George Hull, Marci Petterson, Sal DeAngelo, Chris Witt, Charlie Poltenson, Brian Marquis, Anand Prabhakaran, Larry Salci</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 – Charlie King:

Charlie King provided a brief overview of today's meeting 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 **247** 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 for copies; if you desire hard copies, please tell Steve how many you need and provide a mailing address. As of 5-17-18, Steve has distributed a total of 465 copies (electronic and hard copies).

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.

On 5-3-18, Melissa Shurland provided the following update for Steve Hewitt to include in the minutes of the meeting:

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 5-17-18 Melissa reported that there were no updates for today.

Charger Locomotive Update – This item will remain as open items with progress reports provided as appropriate.

4.

Approval of the Minutes from 5-3-18 – Charlie King, Amtrak:

With a quorum having been confirmed, Charlie King called for a motion to approve the minutes from the 5-3-18 conference call:

A motion to approve was offered by Art Peterson for IDOT and was seconded by Eric Curtit, MODOT. With no objections or exceptions forthcoming, the minutes from the 5-3-18 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:

- *The production of the first Carshell of the single-level railcars began on April 6, 2018. Caltrans/IDOT are attending the QA kick-off meeting at Siemens Sacramento facility on May 16th & 17th, 2018.*
- *Caltrans is working on the Document Change Requests (DCRs) for the cab cars to submit to the NGECC. We are hoping to submit three DCRs next month.*
- *Caltrans is working closely with Amtrak Public Health and the Food and Drug Administration to finalize the design concept meeting with the NGECC's Interiors Working Group to discuss design and requirement details will be held on May 22, 2018.*
- *The next design review meetings are scheduled in the week of June 18th. The discussion topics include: double sliding steps, seats, trap doors, lighting system, and communication system.*
- *The initial underframe first article inspection is scheduled for next week. Caltrans QA manager will be attending the inspection.*

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

Ray Hessinger, NYSDOT, reported that Metro North had hoped to have the pre-final specification ready this Friday (5-18-18), but, due to some last-minute comments received, but not yet incorporated into the document, the timeline is now next Friday. When complete it will be shared with Amtrak for comparisons. The intent is to get it to the MTA Board by early June 2018.

7. Document Control Update – Tammy Krause, NGECC DCM:

Tammy Krause provided the following update for inclusion in today's (5-17-18) minutes:

The approved DCRs for the Single Level specification that were approved at the 5/3 meeting have been submitted to the Executive Board. Since the Single Level specification is a living document with ongoing changes, there have been 3 DCRs approved this week that will be held for the next revision. The Locomotive specification has a new approved DCR also. There are currently 3 electric group DCRs for the Locomotive specification that have been reviewed. Since the electric group is currently only a few people I wanted to give anybody interested a last chance to contact me to join the group and weigh in on these DCRs. PRIIA Spec 305-912 Rev C, Operating and Environmental Conditions, has been released.

8. Progress Report – Electronics on Trains Working Group – Tom Sisler:

Tom Sisler was unavailable for today's call (5-17-18) so this item was tabled until the next call 5-31-18.

9. Update – University of Nebraska High Speed Wireless Study – Hamid Sharif:

Hamid Sharif provided a brief update on the progress of the University of Nebraska's High Speed Wireless Study:

Work continues to complete the simulation model on data traffic on high speed trains and new technology that is coming up. They have LTE 4G and are now working on 5G going through it to understand the characteristics and building it into the simulator.

Later they can look at different data traffic that the members of the Technical subcommittee may want to look at.

10. Status Report: Updating ECP – Paul Jamieson:

Paul Jamieson, SNC Lavalin, provided the following updates for inclusion in today's (5-17-18) minutes:

ECP Status Update

Through April 2018, the revenue service demonstration has accumulated 699,126 ECP miles and 1,874,840 emulation miles for a grand total of 2,573,966 miles. Since January 2018, the ECP mileage is 171,594 miles. Coach cars 82610 and 82629 were removed from revenue service for non-ECP preventive maintenance and some minor updates. These coach cars will be out of service for 4 to 6 weeks. The remaining two coach cars will be undergoing the same maintenance and updates after the first two coach cars are returned. The other coach cars will be operated in emulation mode during the service removal time period.

The 5 members of the ECP technical working group published an ASME paper on the project to date which was a follow up to the 2013 paper.

An ECP project update will be presented at the APTA Rail Conference in Denver. Tentative time slot is Tuesday afternoon June 12th.

The revenue service demonstration period will end during Q4 2018 or Q1 2019 due to the waiver expiration. Currently, Amtrak intends to continue the revenue service operation and accumulate additional time to justify the extended periodic maintenance interval.

Periodic Brake Maintenance:

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.

Charlie King asked that both of these items be included in the minutes for today's call (5-17-18). Paul noted that he had already sent the report to Steve Hewitt and Steve confirmed that they will be include as a part of the record.

11. Other Issues:

Steve Hewitt provided an update on the status of the Single Level Car Specification DCRs which will comprise Revision B. The summary of changes was approved by the Technical subcommittee on 5-3-18, and sent to the Executive Board. Chairman Curtit asked Larry Salci, consultant to the NGENC Review panels to begin his review of the changes against the requirements document and prepare the DRAFT Review Panel Report with recommendations. The Review Panel is scheduled to meet on 5-24-18 to consider the report and recommendations. Once approved, it will be sent to the NGENC Executive Board for its consideration, and, ultimately, formal adoption of revision B.

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

Next Call: 5-31-2018 – 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 5-17-17, Paul Jamieson provided the following update for inclusion in the minutes:

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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 NGEN Annual Meeting on 2-23-18. The presentation is available at www.ngec305.org

On 5-17-18, Melissa reported that there were no new updates on these items.

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. As of 5-17-18, Steve has distributed a total of 465 copies (electronic and hard copies).

Maintaining Industry Participation List: Status: There are currently **247** 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:

The AAR TAG Committee on LED Headlights is in the final stages of the project with the initial analysis and conclusions. The final report will be out May 11th and that will be the end of the project.

Next update: 5-31-18

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 (5-17-18).

Charger Locomotive Update – next update will take place when appropriate.

Document Control Update:

The approved DCRs for the Single Level specification that were approved at the 5/3 meeting have been submitted to the Executive Board. Since the Single Level specification is a living document with ongoing changes, there have been 3 DCRs approved this week that will be held for the next revision. The Locomotive specification has a new approved DCR also. There are currently 3 electric group DCRs for the Locomotive specification that have been reviewed. Since the electric group is currently only a few people I wanted to give anybody interested a last chance to contact me to join the group and weigh in on these DCRs. PRIIA Spec 305-912 Rev C, Operating and Environmental Conditions, has been released.

Any Technical subcommittee member interested in serving on the Electric Working Group, please contact Tammy Krause at tkrauser@gmail.com. Membership is thin right now and your help is greatly appreciated.

Electronics on Trains Working Group:

Next update 5-31-18

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.

University of Nebraska presentation on High Speed wireless technology:

On 5-17-18, Hamid Sharif provided a brief update on the progress of the University of Nebraska’s High Speed Wireless Study:

Work continues to complete the simulation model on data traffic on high speed trains and new technology that is coming up. They have LTE 4G and are now working on 5G going through it to understand the characteristics and building it into the simulator.

Later they can look at different data traffic that the members of the Technical subcommittee may want to look at.

Next update: 6-12-18

Metro North Dual Mode Locomotive Procurement:

As of 5-17-18, while Metro North had hoped to have the pre-final specification ready this Friday (5-18-18) due to some last-minute comments received, but not yet incorporated into the document, the timeline is now next Friday (5-25-18). When complete it will be shared with Amtrak for comparisons. The intent is to get it to the MTA Board by early June 2018.

Next call: 5-31 -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

May 17, 2018

The agenda for the meeting is below:

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|---|---------------|
| 1. Roll Call | Steve Hewitt |
| 2. Review Meeting Agenda | Charles King |
| 3. Review Action Items | Steve Hewitt |
| 4. Approve Minutes from 5-3-18 | Charles King |
| 5. Update: Multi-State Rail Car Procurement | Momo Tamaoki |
| 6. Update: Metro-North Dual Mode Locomotive Procurement | Ray Hessinger |
| 7. Document Control Update | Tammy Krause |
| 8. Progress Report: Electronics on Trains Working Group | Tom Sisler |

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| 9. Update: University of Nebraska High Speed Wireless Study | Hamid Sharif |
| 10. Status Report: Updating ECP | Paul Jamieson |
| 11. Other issues | All |
| 12. Review this meeting: | Steve Hewitt |
| a) Decisions | |
| b) New Action Items | |

***Technical Sub Committee Conference Call Meeting:
Thursday 5-17-18 / 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 -5-31-18 at 3:00pm Eastern***