

SECTION 305 TECH SUB COMM

MINUTES

MAY 31, 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, Charlie Poltenson, Ray Hessinger, Phil Meraz, Michael Burshtin, Duncan Copland, Steve Hewitt, Tarek Omar, Dave "Emeritus" Warner, Hamid Sharif</i> Industry Members: <i>Dick Bruss, Josh Coran, Jon Mullin, Wulf Dicke, Bill Slater, Bill Saddler, Darrell Smith, James Michel, Ken Kuriyama, Jim Coston, Joe Kenas, Glen Rees, Tom LaMano, Al Bieber, Donald Sandala, Jack Madden</i>
ABSENTEES	<i>George Hull, Marci Petterson, Jeff Schultz, Jennifer Bastian, Art Peterson, Eric Curtit, Jason Biggs, Tammy Krause, Sal DeAngelo, Chris Witt, 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 5-31-18, 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.

No report provided on 5-31-18.

University of Nebraska High Speed Wireless Study:

As of 5-17-18, work continued on completing 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 – 6-14-18

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

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:

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.

Ongoing

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

4. Approval of the Minutes from 5-17-18 – Charlie King, Amtrak:

With a quorum having been confirmed, Charlie King called for a motion to approve the minutes from the 5-17-18 conference call:

A motion to approve was offered by Charlie Poltenson, NYSDOT, and was seconded by Momo Tamaoki, Caltrans. With no objections or exceptions forthcoming, the minutes from the 5-17-18 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 has begun on April 6, 2018. Caltrans/IDOT attended the QA kick-off meeting at Siemens Sacramento facility on May 16 & 17, 2018. We also attended calibration inspection at Siemens Sacramento Facility on May 25. The inspection went well, and Caltrans QA manager is working with Siemens to close minor open issues.*
- *Caltrans is working on the Document Change Requests (DCR) for the cab cars to submit to the NGEN. We are hoping to submit three DCRs next month. We've received some good feedback from SMEs, so the final versions will include those comments.*
- *Caltrans is working closely with Amtrak Public Health and the Food and Drug Administration to finalize the design concept of our café cars. The meeting with the NGEN's Interior Working Group to discuss design and requirement details was held on May 22, 2018 and received great feedback from the members of the work group. Those comments were shared with Siemens and Amtrak Public health team.*
- *The next design review meetings are scheduled in the week of June 18. The discussion topics include: the final design review of double sliding step, Seats, Trap doors, lighting system, and communication system.*

6.

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

Ray Hessinger reported that Metro North completed its final draft of its specification about a week and a half ago but missed the timing for meeting with the MTA Board. They are not on the Board's agenda for their June meeting, so the procurement is slipping a bit – month by month. Even so, Metro North continues to meet with Amtrak on the technical specification to try to maximize the size of the order.

7.

Document Control Update – Tammy Krause, NGEN DCM:

Tammy Krause was unavailable for this call, and informed Steve Hewitt that there was no document control update for today. She reported that she has not received any DCRs in the last two weeks.

Steve Hewitt reported that the Review Panel approved (5-24-18) the Review Panel Report and its recommendations to approve the DCRs contained in the Single Level Car Specification 305-003 Revision B.1. The Executive Board will be voting on accepting the Review Panel's report and recommendation and on adoption of Revision B.1 next week (6-5-18) on its call.

8.

Progress Report – Electronics on Trains Working Group – Steve Hewitt for Tom Sisler:

Tom Sisler was unavailable for the call, but provided the following report for inclusion in today's (5-31-18) minutes:

1. *Held Committee meeting on 5/22. We had another brainstorming session on what should be included in the requirements document we are creating.*
2. *Scheduled June 12, 3 pm meeting, for Hamid Sharif-Kashani to present University of Nebraska at Lincoln's high-speed wireless project for PRIIA to the committee.*

9.

Update – AAR TAG committee on LED Headlights – Tarek Omar, FRA:

Tarek Omar reported that the final report was completed on 5-10-18 and has been shared with the committee members. There will be discussion on the report during the 6-7-18 meeting. Members are reviewing the report now and that will inform the discussion on 6-7-18.

Tarek will report on the status again on the 6-14-18 meeting of the technical subcommittee.

10.

Other Issues:

Charlie King reported that Amtrak expects to release its RFP for Locomotives early next month (June). The Amtrak mechanical side has completed its portion, but there are additional departments that also need to sign off their portions. There is a meeting later this afternoon (5-31-18), and Charlie hopes that the RFP can be out on the street by next week at the latest. Charlie will keep the Technical subcommittee apprised.

Asked by Momo Tamaoki, Caltrans, how many locomotives Amtrak planned to procure – Charlie responded 50 with an option

for another 100. The long distance network is still being figured out and Amtrak may want to partner with states on a different type of trainset with a different power. There could be a shorter range locomotive with different power requirements, and that may lead to a second RFP – depends on the market.

An RFI for cars will also be going out – no date provided for that as of yet – but, once it is out, “we will see what transpires”.

With no other business forthcoming for today’s call, Charlie King adjourned the meeting at 3:19pm Eastern.

Next Call: 6-14-2018 – 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:

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.

Ongoing

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

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.

No report provided on 5-31-18

Ongoing

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 final report was completed on 5-10-18 and has been shared with the committee members. There will be discussion on the report during the 6-7-18 meeting. Members are reviewing the report now and that will inform the discussion on 6-7-18.

Next update: 6-14-18

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 (5-31-18).

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

Document Control Update:

On 5-31-18, Steve Hewitt reported that the Review Panel approved (5-24-18) the Review Panel Report and its recommendations to approve the DCRs contained in the Single Level Car Specification 305-003 Revision B.1. The Executive Board will be voting on accepting the Review Panel's report and recommendation and on adoption of Revision B.1 next week (6-5-18) on its call.

Electronics on Trains Working Group:

1. *Held Committee meeting on 5/22. We had another brainstorming session on what should be included in the requirements document we are creating.*
2. *Scheduled June 12, 3 pm meeting, for Hamid Sharif-Kashani to present University of Nebraska at Lincoln's high-speed wireless project for PRIIA to the committee.*

Next update 6-28-18

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

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: 6-14-18

Metro North Dual Mode Locomotive Procurement:

As of 5-31-18, Metro North completed its final draft of its specification about a week and a half ago but missed the timing for meeting with the MTA Board. They are not on the Board's agenda for their June meeting, so the procurement is slipping a bit – month by month. Even so, Metro North continues to meet with Amtrak on the technical specification to try to maximize the size of the order.

Amtrak Equipment Procurement Update:

As of 5-31-18, Charlie King reported that Amtrak expects to release its RFP for Locomotives early next month (June). The Amtrak mechanical side has completed its portion, but there are additional departments that also need to sign off their portions. There is a meeting later this afternoon (5-31-18), and Charlie hopes that the RFP can be out on the street by next week at the latest. Charlie will keep the Technical subcommittee apprised.

An RFI for cars will also be going out – no date provided for that as of yet.

Next call: 6-14-18

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 31, 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 5-17-18 | 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 |
| 9. Update: AAR TAG Committee on LED Headlights | Tarek Omar |
| 10. Other issues | All |
| 11. Review this meeting: | Steve Hewitt |
| a) Decisions | |
| b) New Action Items | |

Technical Sub Committee Conference Call Meeting:
Thursday 5-31-18 / 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 –6-14-18 at 3:00pm Eastern