

SECTION 305 TECH SUB COMM

MINUTES

NOVEMBER 1,
2018

3:00PM EASTERN

CONFERENCE CALL

FACILITATOR	Charles King, Chair, NGENC Technical Subcommittee
ATTENDEES	Core Team Members: Charlie King, Jeff Gordon, Momo Tamaoki, Allan Paul, John Bell for Charlie Poltenson, Eric Curtit, Art Peterson for Jennifer Bastian, Phil Meraz, Mike Murray, Tarek Omar, Michael Burshtin, Duncan Copland, Bernard Reynolds, Curtis McDowell, Larry Salci, Steve Hewitt, Dave "Emeritus" Warner, Tammy Krause Industry Members: Richard Stegner, Dick Bruss, Paul Jamieson, Hamid-Sharif Kashani, Tom LaMano, John Graham, Jack Madden, Bill Slater, Martin Bloedt, Wulf Dicke, Steve Morrison, Bill Saddler, Jon Mullin, James Michel, Adam Saplin
ABSENTEES	Charlie Poltenson, Marci Petterson, Jennifer Bastian, Ray Hessinger, Jason Biggs, Mike Jenkins, Brian Marquis, Byron Comati, Anand Prabhakaran, Tom Sisler, Melissa Shurland

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 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 **251** 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.

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.ngenc305.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 10-18-18.

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

On 11-1-18, Paul Jamieson provided the following update:

"The car overhauls (non-ECP related) were completed and the demonstration train was placed back into service accumulating 35,898 miles through October 5, 2018. The next mileage report will be issued after November 5, 2018. The total ECP mileage is 735,024 and total emulation mileage is 2,004,782. The combined mileage is 2,739,786.

The eight ECP standards were voted on and comments received by the APTA PRESS ECP working group. The comments were discussed at the meeting held on October 23, 2018 and resolved. The standards are being updated and will be posted for public comment. It is anticipated that the standards will be issued by the end of December 2018 or early January 2019.

The APTA ECP project will be closed and transferred to Amtrak after the final FRA report is issued. Again, this transfer should occur in January 2019 pending report acceptance by the FRA safety board which includes the waiver closeout."

Periodic Brake Maintenance:

From May 2018: The FRA has requested APTA PRESS Mechanical to support the codification of various existing waivers regarding brake periodic maintenance as covered 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 11-1-18 – there was nothing new to report

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.

4. Approval of the Minutes from 10-18-18 – Charlie King, Amtrak:

With a quorum having been confirmed, Charlie King called for a motion to approve the minutes from the 10-18-18 conference call:

A motion to approve was offered by Phil Meraz, Iowa DOT, and was seconded by Eric Curtit, MODOT. With no objections or exceptions forthcoming, the minutes from the 10-18-18 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 three critical Cab Car DCRs (Carbody/Cab Construction, Cab Car Floor Height Transition, and Car Length Over Couplers) have been reviewed and discussed by the NGEC mechanical working group. Two DCRs (Carbody/Cab Construction and Cab Floor Height Transition) have been approved by the working group on 10/18. Car Length Over Couplers DCR has been approved by the working group contingent upon NGEC executive board approval of the DCR approval procedural changes being suggested by the working group. We will be voting on these DCRs at the technical subcommittee level today.*
- *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 and Brakes have been provided to SCOA/Siemens. Exterior Doors is in queue for approval. Remaining actions for Trucks, Couplers and Gangway are complete with system level approval expected soon. Approval requests have been received for Couplers, Trucks, Interior Doors and Gangway. 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.*
- *The first 8 carshells are in production at Siemens Sacramento Facility and carshell #1 has passed its FAI and rework of open items is in process. Carshell #2 is in the paint process. Carshells 3 through 8 are in various stages of weld integration and Carshells 9 through 12 are in the initial stages of construction with center sills completed. The expansion of the Sacramento production facility is in process and on target for a November completion.*
- *The FAI process is underway and FAIs have occurred for the Carshell Complete, Digital Communication System, Lighting System, Couplers and Battery Charger. Open items are being addressed and the FAIs are revisited for closure by the customer team as needed. The Toilet System FAI is being conducted this week and the Floor Panels FAI is scheduled for November 15.*

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

Ray Hessinger was unavailable for this call, so this item was tabled.

7. Update: Amtrak Equipment Procurements – Charlie King, Amtrak:

Charlie King reported that Amtrak is moving in an aggressive timeline on the RFP (locomotives) and the RFI (Passenger Rail cars).

Amtrak committees are going through the RFP now, and once they have completed their review, they will make recommendations to the Amtrak Procurement team and the Amtrak Board of Directors. The timeline is as aggressive as it is in order to work around the Amtrak Board's meeting schedule. The Board will meet during the second week of November, and the intent is to have recommendations ready for the Board for that meeting. The Board will not meet again until sometime in January 2019.

The RFP for cars is being put together and they are using the PRIIA specification as the baseline with adjustments based on technology. Charlie anticipates "DCRs will roll through" on those changes.

8.

Update: DEF-UREA – Jennifer Bastian, IDOT:

Jennifer Bastian was not available for this call, so this item was tabled.

9.

Document Control Update – Tammy Krause, NGEC DCM:

a. Review of Summary Sheet for DCRs 003-178 and 003-179 for the Single Level Car Specification Revision B.1b:

Tammy Krause provided an overview of the two DCRs (003-178 and 003-179) that have been accepted as amended by the Mechanical working group and are to be considered for approval today by the full subcommittee. The summary of changes was previously transmitted to all subcommittee members in advance of this call.

Jeff Gordon, FRA, and team leader of the Mechanical working group concurred with Tammy's summary and reaffirmed that the Mechanical working group has accepted the DCRs as amended.

Charlie King asked if there was any further discussion. Hearing none he called for a motion to approve DCRs 003-178 and 003-179 for submittal to the executive Board of the NGEC for its action.

Eric Curtit, MODOT, offered a motion to approve. Art Peterson, for IDOT, seconded the motion. With no further discussion forthcoming, Charlie asked Steve Hewitt to conduct a roll call vote:

Charlie King, Amtrak – approve
Jeff Gordon, FRA – approve
Momo Tamaoki, Caltrans – approve
Allan Paul, NCDOT – approve
John Bell, NYSDOT – approve
Art Peterson for IDOT – approve
Phil Meraz, Iowa DOT – approve
Eric Curtit, MODOT – approve

With a quorum having been established and all votes cast in the affirmative, Chairman King determined that consensus had been achieved and the motion is approved.

Steve Hewitt will submit the DCR summary sheet to the Executive Board in advance of its next call (11-6-18) at which point, Chairmen Curtit will reconvene the appropriate Review Panel(s) and ask Review Panel consultant Larry Salci to begin his review and prepare a report with recommendations for Review Panel consideration.

b. Update on status of DCR for 305-100 Revision B (NGEC Document Management Procedures) process change:

Jeff Gordon, FRA, reported that he has been working with Dave "Emeritus" Warner to develop a set of adjustments that will accommodate changes to the NGEC Document Management Procedures (305-100) to allow for changes to be inserted in the As-Built specification but not carry through to the base specification. Jeff believes he and Dave have the text of the changes pretty well complete and that it will require changes to 5 paragraphs of the NGEC Document Management Procedures (305-100).

Once finalized, the changes will be advanced forward as a DCR via the NGEC process. This DCR for 305-100 would not go through the Technical subcommittee, they would go directly to the NGEC Executive Board.

Before the DCR is created, Jeff will need to vet the proposed changes within FRA to ensure continued compliance with the procurement grant agreement. The changes would also need to be taken to FRA leadership for the "green light". If the green light is given, Jeff will submit a DCR to change 305-100 as discussed and it will proceed at the NGEC Executive Board level.

If FRA is ok with advancing the change, Jeff will prepare the DCR for transmittal to the Executive Board one week in advance of the 11-20-18 Board call.

Steve Hewitt recommended that Jeff also provide a preview/status update on the issue at the 11-6-18 Executive Board call.

10. Consideration of approval – DCRs 003178 and 003179 for the Single Level Car Specification Revision B.1b – Charlie King:

See 9a. – above.

11. Update: Electronics on Trains – Tom Sisler, SNC Lavalin:

Tom Sisler was unavailable, so this item was tabled.

12. Update: University of Nebraska – High Speed Wireless Study – Hamid Sharif- Kashani:

Hamid Sharif-Kashani reported that the model is almost complete. He hopes to have verification by the end of this year and that the “tool” will be done. The next step would be field testing and verification of the tool.

13. NGENC 2019 Annual Meeting – 2-22-19 Hyatt Regency Capitol Hill Washington, DC – Steve Hewitt:

Steve Hewitt reminded all members of the date and location of the 2019 NGENC Annual Meeting and noted that a DRAFT agenda is being developed. Steve will keep all members apprised of logistics such as hotel block information as soon as he receives it from AASHTO.

14. Other Issues:

With no further business forthcoming for today’s call, Charlie King adjourned the meeting at 3:37pm Eastern.

Next Call: 11-15-2018 – 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 11-1-18, Paul Jamieson provided the following update:

"The car overhauls (non-ECP related) were completed and the demonstration train was placed back into service accumulating 35,898 miles through October 5, 2018. The next mileage report will be issued after November 5, 2018. The total ECP mileage is 735,024 and total emulation mileage is 2,004,782. The combined mileage is 2,739,786.

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The APTA ECP project will be closed and transferred to Amtrak after the final FRA report is issued. Again, this transfer should occur in January 2019 pending report acceptance by the FRA safety board which includes the waiver closeout."

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.

On 11-1-18 – there was nothing new to report.

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.

Nothing new reported on 11-1-18

Requesting Background educational document: The two-pager educational document is available electronically or by hard copy. Contact Steve Hewitt at shewitt109@aol.com with the number requested and an address to send them to.

Maintaining Industry Participation List: Status: There are currently **251** 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.

As of 11-1-18:

- *The three critical Cab Car DCRs (Carbody/Cab Construction, Cab Car Floor Height Transition, and Car Length Over Couplers) have been reviewed and discussed by the NGEC mechanical working group. Two DCRs (Carbody/Cab Construction and Cab Floor Height Transition) have been approved by the working group on 10/18. Car Length Over Couplers DCR has been approved by the working group contingent upon NGEC executive board approval of the DCR approval procedural changes being suggested by the working group. We will be voting on these DCRS at the technical subcommittee level today.*
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Charger Locomotive Update – updates will be provided as warranted.

Document Control Update – Action items as of 11-1-18:

DCRs 003-178 and 003-179 accepted by the Mechanical working group as amended were approved on 11-1-18 by the full Technical subcommittee.

Next step: Steve Hewitt will submit the DCR summary sheet to the Executive Board in advance of its next call (11-6-18) at which point, Chairmen Curtit will reconvene the appropriate Review Panel(s) and ask Review Panel consultant Larry Salci to begin his review and prepare a report with recommendations for Review Panel consideration

Update on status of DCR for 305-100 Revision B (NGEC Document Management Procedures) process change:

Jeff Gordon, FRA, reported that he has been working with Dave Warner to develop a set of adjustments that will accommodate changes to the NGEC Document Management Procedures (305-100) to allow for changes to be inserted in the As-Built specification but not carry through to the bas specification. Jeff believes he and Dave have the text of the changes pretty well complete and that it will require changes to 5 paragraphs of the NGEC Document Management Procedures (305-100).

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Before the DCR is created, Jeff will need to vet the proposed changes within FRA to ensure continued compliance with the procurement grant agreement. The changes would also need to be taken to FRA leadership for the "green light". If the green light is given, Jeff will submit a DCR to change 305-100 as discussed and it will proceed at the NGEC Executive Board level.

The intent is, if FRA is ok with advancing the change, Jeff will prepare the DCR for transmittal to the Executive Board one week in advance of the 11-20-18 Board call.

Steve Hewitt recommended that Jeff also provide a preview/status update on the issue at the 11-6-18 Executive Board call.

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.

Tom Sisler was unavailable for the 11-1-18 call – the item was tabled until 11-15-18.

Next update – 11-15-18

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.

An update was requested for 11-1-18. Jennifer Bastian was unavailable, so the item has been tabled until 11-15-18.

Next update – 11-15-18

University of Nebraska presentation on High Speed wireless technology:

The model is almost complete. He hopes to have verification by the end of this year and that the "tool" will be done. The next step would be field testing and verification of the tool.

Next update: 11-1-18

Metro North Dual Mode Locomotive Procurement as of 10-4-18:

As of 10-4-18, Metro-North is in the middle of the procurement process – it is ongoing. Qualification statements are due to Metro-North and they are in the process of reviewing those statements. He added that NYSDOT is not directly involved in the procurement and it is technically in lock down so Ray is unaware of who has responded. Once this is complete they will develop a short list of qualified firms and they will be provided with all documentation. There is no date announced for issuing the short list or responses to the RFP by those on the short list.

Next Update: 11-29-18

Amtrak Equipment Procurement Update as of 11-1-18:

Amtrak committees are going through the RFP now, and once they have completed their review, they will make recommendations to the Amtrak Procurement team and the Amtrak Board of Directors. The timeline is as aggressive as it is in order to work around the Amtrak Board's meeting schedule. The Board will meet during the second week of November, and the intent is to have recommendations ready for the Board for that meeting. The Board will not meet again until sometime in January 2019.

The RFP for cars is being put together and they are using the PRIIA specification as the baseline with adjustments based on technology. Charlie anticipates "DCRs will roll through" on those changes.

Next Update: 11-29-18

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

Steve Hewitt reported that the 2019 NGEC Annual Meeting will be held on 2-22-18 at the Hyatt Regency Capitol Hill, Washington, DC. More information will follow in the coming months. Steve has sent a calendar notice for members to save this date and will continue to provide updates as details are forthcoming and an agenda is developed. This item will be carried as an open action item on the Technical subcommittee agenda to make sure members are aware of the Annual Meeting, time, date, place and all other details as they move forward.

Next call: 11-15-18

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

November 1, 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 10-18-18 | 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 Procurements | Charlie King |

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| 8. DEF-UREA Update | Jennifer Bastian |
| 9. Update: Document Control | Tammy Krause |
| a. Review of Summary Sheet for DCRs for the Single Level Car Specification Revision B.1b | |
| b. Update on status of DCR for 305-100 Rev B (NGEC DCR Procedures) process change | |
| 10. Consideration of approval DCRs - Single Level Car Specification- Rev B.1b | Charlie King |
| 11. Update: Electronics on Trains Working Group | Tom Sisler |
| 12. Update: University of Nebraska – High Speed Wireless Study | Hamid-Sharif Kashani |
| 13. NGEC 2019 Annual Meeting – 2-22-19 – Hyatt Regency Capitol Hill Washington, DC | Steve Hewitt |
| 14. Other issues | All |
| 15. Review this meeting: | Steve Hewitt |
| a) Decisions | |
| b) New Action Items | |

Technical Sub Committee Conference Call Meeting:
Thursday 11-1-18 / 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 –11-15-18 at 3:00pm Eastern