

SECTION 305 TECH SUB COMM

MINUTES

OCTOBER 18, 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, Ray Hessinger, Eric Curtit, Art Peterson for Jennifer Bastian, Jeff Schultz for Marci Petterson, Jason Biggs, Mike Jenkins, Phil Meraz, Michael Burshtin, Bernard Reynolds, John Bell, Larry Salci, Steve Hewitt, Tammy Krause Industry Members: Richard Curtis, Richard Stegner, Steve Morrison, Bill Saddler, Kevin Myles, Bill Slater, Adam Saplin, Josh Coran, James Michel
ABSENTEES	Charlie Poltenson, Marci Petterson, Jennifer Bastian, Brian Marquis, Byron Comati, Duncan Copland, Anand Prabhakaran, Mike Murray, Tarek Omar, 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 **253** 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.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.

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

On 8-23-18, Paul Jamieson reported:

The ECP revenue service demonstration continued in June and July with the coaches in emulation service only due to overhauls being performed. No emulation faults were reported in this time period.

APTA PRESS ECP standards will be distributed for Mechanical group voting in September.

On 10-18-18 – Paul Jamieson was unavailable but informed Steve Hewitt that there was nothing new to report

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 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 10-4-18 – Paul Jamieson informed Steve Hewitt that 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.

Metro-North Dual Mode Locomotive Procurement:

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: 11-1-18

Amtrak Equipment Procurement:

As of 10-4-18:

Locomotive RFP - Charlie King reported that the Technical Evaluation Committee (TEC) is meeting this week with suppliers who will be making presentations. Next week the TEC will be on the road visiting suppliers and the next week they will take a week off from what is a very aggressive schedule. It is hoped that by the end of October they will be able to develop a list to take to the Amtrak Board of Directors and share with FRA.

Since much of the information is proprietary, Charlie will work with Amtrak Legal on what he can share with the NGEC Technical subcommittee. He has made an effort not to sign a NDA so that he can be more open and transparent with the NGEC.

Passenger Car RFI – the RFI is out and closed. Amtrak has begun the process of putting together the information for the creation of an RFP. Charlie will share all that he can and be as transparent as he can with NGEC members as the process goes forward. He wants to be sure not to give an advantage to one firm over another and will be very cognizant of that.

Next Update: 11-1-18

University of Nebraska presentation on High Speed wireless technology:

Hamid Sharif-Kashani provided an overview of the High-Speed Train Simulation Systems (a PDF read ahead was provided in advance of the call on 10-4-18).

Members should review the PDF document, and anyone interested in using the simulator should contact Hamid. His contact information is contained in the document.

Next update: 11-1-18

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

With a quorum having been confirmed, Charlie King called for a motion to approve the minutes from the 10-4-18 conference call:

A motion to approve was offered by Allan Paul, NCDOT, and was seconded by Eric Curtit, MODOT. With no objections or exceptions forthcoming, the minutes from the 10-4-18 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. They are having another meeting today to review and discuss additional information provided by the vendor for the car length over coupler DCR.*
- *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 and Brakes have been provided to SCOA/Siemens. Remaining actions for Lighting Systems, Trucks and Gangway are being completed with system level approval expected soon. Approval requests have been received for Couplers, Exterior, Trucks 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 with minor findings requiring rework. Carshell #2 has undergone component integration and is awaiting final weld quality inspection 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 and Battery Charger. Open items are being addressed and the FAIs are revisited for closure by the customer team as needed. The FAI for Lighting is scheduled for October 24 & 25th and the Floor Panels FAI is scheduled for November 15.*

**6.
Update: DEF-UREA – Jennifer Bastian, IDOT:**

Jennifer Bastian was not on the call today – so this item was tabled.

**7.
Document Control Update – Tammy Krause, NGEC DCM:**

Tammy Krause reported that there has been a lot of activity on the three DCRs mentioned in Momo's report. Tammy asked Jeff Gordon, FRA, and team leader for the Mechanical Working Group, to provide an update.

Jeff reported that the Mechanical Working Group met again today to discuss the three DCRs before them: DCR 177, 178 and 179.

DCR 179 has to do with car body material. The PRIIA spec calls for Stainless steel and the request is to use alternate material for a part of it– (the Charger Nose is Carbon steel). The Working Group has debated this request at length and has agreed to accept the proposed change with amended language. It will now go forward from the Working Group to Document Control Manager Tammy Krause as accepted as amended and she will process it through the Technical subcommittee and on through the full NGEC Document Change Request Process.

DCR 178 has to do with Floor height. The spec calls for 51" above top of rail. The proposal calls for something less than that. The Mechanical Working Group has decided that since the doors are 51" top of rail and with a modification that will include minimum cab floor to ceiling height of no less than 77" this change will also be accepted as amended and sent to Tammy Krause for processing through the Technical subcommittee.

DCR 177 has to do with car length over coupler. The spec calls for 85 ft and the proposed change would add 19 inches outside of the 85 feet. This DCR is the most challenging of the three under consideration. The NGEC legacy and policy has ben not to change a specification for a specific design. The purpose of the NGEC and of PRIIA is to develop standardized specifications resulting in standardized and interoperable equipment.

In the current NGEC Document Control Procedures (305-100) when a DCR is accepted or accepted as amended it migrates to the specification and becomes a part of it. These procedures were developed with the intent of making changes to the PRIIA specs that would improve them, make them more current as technology changes, correct an imperfection in the spec, etc. Whatever changes are accepted they become a part of the specification going forward.

In the case of DCR 177, the Mechanical Working Group believes this change would be an allowance for a specific design and is not inclined to make the change a part of the PRIIA base spec. Jeff Gordon is recommending that the procedures be

modified through a DCR and through the DCR process to include the ability to restrict a DCR (such as 177) to a specific specification, and to not cascade into the full base spec. The proposal would give 305-100 a provision that enable such an allowance as is being requested, but that change, or allowance, would not become a part of the base spec.

After much discussion on process, it was agreed that Jeff Gordon would develop, in writing, a proposal to modify the NGECC DCR Procedures (305-100) to provide for such a change/allowance to be considered through the full DCR process. Jeff will also provide, in writing, simultaneously, the Mechanical Working Group's amended DCR 177 along with its adjudication of it. The first step would be for the process change to be accepted and, if so, the DCR would be considered as adjudicated by the Working Group.

Jeff Gordon asked if there were any concerns that he, being from FRA, would have a conflict of interest in writing the proposed change. Charlie King, Momo Tamaoki, Caltrans, and others emphatically supported Jeff being the one to develop the proposal. No conflict was seen, and it was clearly noted that Jeff is considered the exact right person to develop the change. He is considered vital to the NGECC efforts, and his input, experience, and knowledge is crucial to the success of the NGECC.

Charlie King, as Chair of the Technical subcommittee, agreed to the proposal to have Jeff develop the DCR for 305-100 in writing and present it to the Technical subcommittee on the next call (11-1-18) for its consideration. Charlie requested, however, that he and Jeff have a conversation prior to the submittal of the procedure change to be sure all are on the same page and that the intent remains consistent with NGECC mission of standardization and interoperability.

In the meantime, Tammy Krause will prepare DCRs 178 and 179 as accepted as amended by the Mechanical Working Group and send them to Steve Hewitt for dissemination to the Technical subcommittee for its consideration on the 11-1-18 Technical subcommittee call.

9. Other Issues:

Steve Hewitt reported that the 2019 NGECC 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.

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

Next Call: 11-1-2018 – 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 8-23-18, Paul Jamieson reported:

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On 10-18-18 – 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 10-18-18

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 **253** 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. See agenda item 5, above, for today's update (10-18-18).

Charger Locomotive Update – updates will be provided as warranted.

Document Control Update – Action items as of 10-18-18:

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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 10-18-18 call – the item was tabled until 11-1-18.

Next update – 11-1-18

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 10-18-18. Jennifer Bastian was unavailable, so the item has been tabled until 11-1-18.

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

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Next call: 11-1-18

Call in number is:

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

October 18, 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 10-4-18 | Charles King |
| 5. Update: Multi-State Rail Car Procurement | Momo Tamaoki |
| 6. DEF-UREA Update | Jennifer Bastian |
| 7. Update: Document Control | Tammy Krause |
| 8. Update: Electronics on Trains Working Group | Tom Sisler |
| 9. Other issues | All |
| 10. Review this meeting: | Steve Hewitt |
| a) Decisions | |
| b) New Action Items | |

***Technical Sub Committee Conference Call Meeting:
Thursday 10-18-18 / 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 -11-1-18 at 3:00pm Eastern