

SECTION 305 TECH SUB COMM

MINUTES

JANUARY 10, 2019 3:00PM EASTERN

CONFERENCE CALL

FACILITATOR	<i>Charles King, Chair, NGENC Technical Subcommittee</i>
ATTENDEES	Core Team Members: <i>Charlie King, George Hull, Momo Tamaoki, Allan Paul, John Bell for Ray Hessinger, Marci Petterson, Eric Curtit, Jennifer Bastian, Phil Meraz, Mike Jenkins Jeff Schultz, Art Peterson, Curtis McDowell, Michael Burshstin, Duncan Copland, Mike Kraft, Steve Hewitt, Larry Salci, Tammy Krause, Hamid Sharif-Kashani</i> Industry Members: <i>Tom LaMano, Paul Jamieson, Glen Rees, Dick Bruss, Joe Kenas, Jon Mullin, Richard Curtit, Bill Slater, Josh Coran, Steve Morrison, Martin Bloedt, Jack Madden, James Michel, Bill Saddler, Adam Saplin, Don Sandala, Paul Arnone</i>
ABSENTEES	<i>Ray Hessinger, Jason Biggs, Brian Marquis, Byron Comati, Bernard Reynolds, Harry Garforth, Anand Prabhakaran, Charlie Poltenson, Jeff Gordon, Mike Murray, Melissa Shurland, Tarek Omar,</i>

DISCUSSION/DECISIONS MADE

<p>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 could not be confirmed due to the absence of representation from FRA. (This was due to the lapse in funding – partial government shutdown). It was agreed that the meeting would proceed, but no votes would be taken. As always, industry participants are asked to email a notification of their attendance to Steve Hewitt at shewitt109@aol.com</p>
<p>2. Review of Action Items that are not on the agenda – Steve Hewitt: Status of action items that were not to be specifically covered on the agenda:</p>
<p>Maintaining Industry Participation List: Status: Currently, there are 204 registered industry participants.</p>
<p>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. Changes to the document have been recommended by the NGENC Finance and Administrative subcommittee and the Executive Board is now reviewing those changes. An updated version of the document is anticipated to be available at the Annual Meeting on 2-22-19.</p>
<p>AWG/RVACC Update: There was no update provided on 1-10-19.</p>
<p>Updating ECP Standards This ongoing item is being tracked by the Technical subcommittee with status updates provided as activities occur. On 1-10-19, Paul Jamieson provided the following update for inclusion in the minutes: <i>The eight APTA PRESS ECP standards have completed the public comment period without any comments being received. The standards will now be subject to the PRESS Policy and Planning Committee review to assure that all the requirements for publication have been satisfied. The standards will be released after the review is completed. Notification will be provided with the standards are available on the APTA website.</i></p>
<p>Update: AAR TAG Committee on Headlights – Phase 2: On 7-25-18, Tarek Omar reported that they are preparing for Phase two.</p>

Once underway, Tarek will provide status updates as he did with Phase one.

No update on 1-10-19.

**4.
Approval of the Minutes from 12-13-18 – Charlie King, Amtrak:**

Due to the lack of a quorum, Charlie King tabled consideration of approval of the DRAFT minutes from the 12-13-18 conference call. This item will be taken up on the next call or the next time that a quorum can be confirmed.

**5.
Update: Multi State Rail Car Procurement – Momo Tamaoki, Caltrans:**

Momo Tamaoki provided the following update for inclusion in the minutes:

- *Of the three critical Cab Car DCRs, two have been approved by the NGENC subcommittee – Carbody/Cab Construction and Cab Area Floor Height. Caltrans requests that the pending Car Length Over Couplers DCR to be withdrawn. Caltrans discussed issues with Charlie and Eric, and both are aware of our request to withdraw. A DCR regarding the PRIIA vertical curve requirements has been submitted to NGENC.*
- *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, Semi-Permanent and H-type couplers, Trucks, Exterior Doors, Interior Doors, End Doors, Seats and Brakes have been provided to SCOA/Siemens. Gangway is currently in queue for approval. Most actions for Analog Communication System are complete with closure and system level approval expected soon. 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. Virtual 3D mockups were presented to Caltrans and IDOT to showcase updates to the vestibule area including the End Doors and Trap Doors.*
- *The first 12 carshells are in production at Siemens Sacramento Facility and carshell #1 has passed its FAI and associated rework has been completed. Carshell #2 has completed passivation and is being moved for storage and paint rework. Carshell #3 has completed the passivation process and necessary rework is in process. Carshell 4 has also completed the passivation process and necessary rework is in process. Carshells 5 through 10 are in various stages of weld and integration. The expansion of the Sacramento production facility is slightly delayed due to permitting issues but there is no effect on the schedule thus far.*
- *Caltrans is meeting with the ADA community to go over the general design updates and accessible toilet rooms. We have requested Siemens to host a 3D virtual mock up presentation for this meeting.*
- *The FAI process is underway and FAIs have occurred for the Carshell Complete, Digital Communication System, Lighting System, Couplers, Sanitary System, Sidewall Lining, FRP Panels, Brake System, Interior Doors, Flooring and heated panel and Battery Charger. Open items are being addressed and the FAIs are revisited for closure by the customer team as needed. FAI for the Low Floor and High Floor Door Panel is to be conducted in early February.*

**6.
Status Update: Metro-North Dual Mode Locomotive RFP – John Bell for Ray Hessinger, NYSDOT:**

John Bell, NYSDOT, provided the following update for inclusion in today's minutes (1-10-19):

Metro-North Railroad (MNR) has reissued their Dual Mode Locomotive Procurement, this time as a federally (FTA) funded project. As with the previous procurement, MNR will pre-qualify firms, then seek technical and price proposals. Prequalification statements are due to MNR on 1/22/2019.

**7.
Update: Amtrak Equipment Procurement – Charlie King, Amtrak:**

Charlie King reported that Amtrak has announced that the bid award for the replacement P42s and P40s has been given to Siemens to build the Charger product. There is no delivery date as of yet. The initial order is for 75 locomotives with options for more as necessary.

As for the car RFP – it is being made ready to be sent out. It will be a trainset RFP to set the stage with other states for a next generation of moving people by rail.

Asked if it was a fixed consist – Charlie responded yes, that is the intent.

Allan Paul, NCDOT, asked if Amtrak would respond to the question raised by NCDOT on how the trainsets are to be maintained in remote locations such as the Carolinian.

Charlie responded "yes we will" answer the question. It remains to be seen if it will be in this RFP or if a second RFP will be developed.

Allan asked if the trainset will have a baggage car? George Hull, Amtrak, responded that "there will be flexibility in the modularity." He added that the specification will reflect the ability to have various types of baggage, including bikes, etc. and will have a flexible design.

Allan noted that NCDOT will be "watching this closely because a one size fits all approach does not work for us" and the Carolinian.

**8.
Document Control Update – Tammy Krause, NGEC DCM:**

Tammy Krause provided the following update for inclusion in today's minutes (1-10-19):

I have created 92 Document Change Requests for what will be Revision B of the Trainset Specification. These are numbers 007-0076 through 007-0167. They have been divided up and sent to the appropriate working group for review. These DCRs have all been previously approved for revisions of the Bi-level and Single Level specifications.

There are a few items still in process for the Single Level specification. These are DCR 003-0180, which concerns the curving requirements; and Proposed Seat Track Drawing 305-813. I have received no comments on the Seat Track drawing and I would like to schedule a vote to approve it.

Tammy was unaware of the withdrawal, by Caltrans, of the car-length DCR noted by Momo Tamaoki in the Rail Car Procurement update under agenda item 5. Tammy will now remove this DCR from consideration as requested.

Tammy also noted that with two of the technical working groups led by federal employees affected by the shutdown (FRA and Volpe), there will be some delay in the work of the Mechanical and VTI technical working groups.

**9.
Update: Electronics on Trains – Tom Sisler:**

Tom Sisler was not on the call on 1-10-19 but informed Steve Hewitt that the group continues to work on its internal draft.

**10.
Update: High Speed Wireless Study – Hamid Sharif-Kashani, University of Nebraska:**

Hamid Sharif-Kashani reported that they have been working on modeling and simulation to evaluate data traffic and wireless technology for high speed. The modeling tool is complete and is being evaluated for different scenarios.

The next phase is testing and evaluating in the field vs. simulation tools.

Asked by Steve Hewitt if Hamid still wanted to give a presentation along with Tarek Omar, FRA, at the NGEC Annual Meeting on 2-22-19, as requested, Hamid responded that he would check and get back to Steve. Steve noted that it is on the current DRAFT agenda, as a placeholder.

**11.
NGEC 2019 Annual Meeting – 2-22-19 Hyatt Regency Capitol Hill Washington, DC – Steve Hewitt:**

- a. Registering for the meeting:

In order to be registered for the NGEC meeting, please send an email separately to Steve Hewitt at shewitt109@aol.com. There is no registration fee for the NGEC meeting. Registering with Steve is important for head count and for printing name badges and putting together meeting packets. There are 32 registered for the meeting as of 1-10-19.

The DRAFT agenda has been distributed to all NGEC members, subject to changes – mostly finalizing speakers and possibly the order, but in general it is set to take place beginning at 8:00am (registration/name badges etc.) and end by 1:00PM.

- b. Room Block info - Following today's (1-10-19) call, Steve Hewitt was informed that the room block cut off date has been extended to 2-5-19 due to the government shutdown.

Room Block Information – Hyatt Regency Hotel, Capitol Hill, Washington, DC:

Attendees have until February 5, 2019 to reserve their room at the group rate.

Hyatt Regency Washington On Capitol Hill

400 New Jersey Ave, NW
Washington, DC 20001

https://www.hyatt.com/en-US/hotel/washington-dc/hyatt-regency-washington-on-capitol-hill/wasrw?corp_id=G-AHT9

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**12.
Other Issues:**

With no further business forthcoming for today's call, Charlie King adjourned the meeting at 3:26pm Eastern.

Next Call: 1-24-2019– 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.

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Maintaining Industry Participation List: Status: There are currently 204 industry participation members.

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 1-10-19:

- *Of the three critical Cab Car DCRs, two have been approved by the NGEN subcommittee – Carbody/Cab Construction and Cab Area Floor Height. Caltrans requests that the pending Car Length Over Couplers DCR to be withdrawn. Caltrans discussed issues with Charlie and Eric, and both are aware of our request to withdraw. A DCR regarding the PRIIA vertical curve requirements has been submitted to NGEN.*
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Electronics on Trains Working Group:

Tom Sisler was not on the call on 1-10-19 but informed Steve Hewitt that the group continues to work on its internal draft.

DEF-UREA Update:

On 11-15-18, Art Peterson provided the following brief update on DEF-UREA implementation:

The DEF update is very straight-forward – there have been no issues in the supply of DEF at any of the locations on the Midwest "Hub" network. It is all working very smoothly.

Next update – as appropriate

University of Nebraska High Speed wireless study:

On 1-10-19, Hamid Sharif-Kashani reported that they have been working on modeling and simulation to evaluate data traffic and wireless technology for high speed. The modeling tool is complete and is being evaluated for different scenarios.

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Please feel free to contact me with any questions.

Kamasha

Kamasha Hendrickson, CMP, CGMP

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Next call: 1-10-19

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

January 10, 2019

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 12-13-18 | Charles King |
| 5. Update: Multi-State Rail Car Procurement | Momo Tamaoki |
| 6. Status Update: Metro-North Dual Mode Locomotive RFP | Ray Hessinger |
| 7. Update: Amtrak Equipment Procurements | Charlie King |
| 8. Update: Document Control | Tammy Krause |
| 9. Update: Electronics on Trains Working Group | Tom Sisler |
| 10. Update: High Speed Wireless Study | Hamid Sharif-Kashani |
| 11. NGEC 2019 Annual Meeting – 2-22-19 – Hyatt Regency Capitol Hill Washington, DC | Steve Hewitt |
| 12. Other issues | All |
| 13. Review this meeting: | Steve Hewitt |
| a) Decisions | |
| b) New Action Items | |

Technical Sub Committee Conference Call Meeting:
Thursday 1-10-19 / 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 -1-24-19 at 3:00pm Eastern