

# SECTION 305 TECH SUB COMM

MINUTES

MAY 2, 2019

3:00PM EASTERN

CONFERENCE CALL

<b>FACILITATOR</b>	<i>Charles King, Chair, NGENC Technical Subcommittee</i>
<b>ATTENDEES</b>	<b>Core Team Members:</b> <i>Charlie King, George Hull, Jeff Gordon, Momo Tamaoki, Allan Paul, Ray Hessinger, Jeff Schultz for Marci Petterson, Art Peterson for Jennifer Bastian and as proxy for Eric Curtit, Phil Meraz, Curtis McDowell, Tarek Omar, Michael Burshtin, Duncan Copland, Mike Kraft, Steve Hewitt, Tammy Krause, Hamid Sharif-Kashani</i> <b>Industry Members:</b> <i>Dick Bruss, Jonathan Michel, Josh Coran, Jack Madden, Kevin Myles, Edward Golitko, Donald Sandala, Adam Saplin, Darrell Smith, Paul Arnone, Richard Stegner, John Graham</i>
<b>ABSENTEES</b>	<i>Eric Curtit, Jennifer Bastian, Marci Petterson, Jason Biggs, Mike Jenkins, John Bell, Brian Marquis, Byron Comati, Bernard Reynolds, Harry Garforth, Anand Prabhakaran, Melissa Shurland, 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, Steve Hewitt confirmed the presence of a quorum.

**As always, industry participants are asked to email a notification of their attendance to Steve Hewitt at [shewitt109@aol.com](mailto:shewitt109@aol.com).**

**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:

**Maintaining Industry Participation List:** Currently, there are 206 registered industry participants.

**Requesting Backgrounder educational document:**

The educational (two-pager) document was released at the Annual Meeting on 2-22-19 and is available in hard copy or electronically. Contact Steve Hewitt at [shewitt109@aol.com](mailto:shewitt109@aol.com). If hard copy, let Steve know where to send them and how many. To date, (5-2-19) 240 hard copies and 351 electronic copies have been distributed.

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

On 4-4-19, Paul Jamieson provided the following update for inclusion in the minutes:

*ECP Project: As of February 2019, the revenue service demonstration has accumulated 968,922 ECP miles and 2,116,949 emulation miles for a total of 3,085,871 miles since the start in June 2014. The 8 APTA PRESS Standards are in the final public comment period. Any public comments should be resolved during April and the standards forwarded for final process approval within APTA. The FRA final report has been drafted and a test committee meeting will be scheduled to approve the submittal. Amtrak has filed a waiver extension required to continue the revenue service operation.*

No update on 5-2-19

**Metro North Dual Mode Locomotive Procurement as of 4-18-19:**

The procurement continues to move along with the due date for final proposals set for 5-10-19. 4-16-19 Metro-North issues addendum #7 including answers and some questions.

Next update – 5-16-19

**Amtrak Equipment Procurement 4-18-19:**

On the Locomotives:

This continues to move forward working through various issues.

On the passenger rail trainsets:

Amtrak has complied with a request from the state DOTs to include state transportation officials on the Technical Evaluation Committee (TEC) calls and to provide input.

In the coming weeks technical questions will be addressed and feedback provided.

TEC members (states as well) will be invited to participate in the session with offerers.

Oral presentations by the offerers are scheduled between 9-11-19 and 9-24-19 in Philadelphia, Pa.

In the second week of November a roundtable discussion will take place as the TEC works through the evaluation process.

Amtrak will share with the states various weighted factors used for scoring the proposals received.

Next update – 5-16-19

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**AAR TAG Committee on Headlights – Phase 2 – Tarek Omar, FRA - 4-18-19:**

Phase 2 – Static Testing – was completed two months ago – the final report has been delivered.

Phase 3 – Dynamic Testing – should begin within May or in a few weeks.

Next Update – 5-30-19

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**4. Approval of the Minutes from 4-18-19 – Charlie King, Amtrak:**

On a motion offered by Allan Paul, NCDOT, and seconded by Art Peterson for IDOT, the minutes from 4-18-19 were approved as presented.

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**5. Update: Multi-State Railcar Procurement – Momo Tamaoki, Caltrans:**

Momo Tamaoki provided the following update to be included in the minutes (5-2-19):

*All FDR System Level approvals for standard coach are complete. Five FDR-related submittals require update for FDR milestone approval.*

*Siemens is preparing for a new café car & galley PDR meeting with IDOT on 5/7 and 5/8/2019 in Chicago. Caltrans cab car PDR sessions are scheduled for week of May 20. Reviews that week will include Carshell, Cab HVAC, and F-end H-type coupler.*

*The first 14 carshells are in production at Siemens Sacramento Facility. Carshells #1 and #2 are in the final assembly phase. Assembly continued with wire connections, electronic equipment, liners and ducting installation to the interior in carshell #1. Interior side panels are being installed in Carshell #2. The second HVAC unit was installed in Carshell #3. Underframe cable tray has been installed and wire routing continues in Carshell #4. Carshell #5 and Carshell #6 have been released to final assembly build. Carshell #'s 7, 8, 9, 10 and 11 are in various stages of integration or storage.*

*The FAI process continues and FAIs have occurred for the Carshell Complete, Digital Communication System, Lighting System, Couplers, Sanitary System, Sidewall Lining, FRP Panels, Brake System, Interior Doors, Truck Frame, Flooring and heated panel and Battery Charger, HVAC, Full Truck, Sliding Step, Seats, Electrical Cabinet, Windows, Analog Communications and Fully Assembled Bogie, Double Sliding Step, Vestibule FRP Panels and Wheelset. Open items are being addressed and the FAIs are revisited for closure by the customer team as needed. FAI Closure Approval has been provided to SCOA/Siemens for Lighting, Digital Communication, HVAC, Truck Frame, Analog Communications, Passenger Windows, Brakes and Couplers. FAI's for Trap Door, Double Sliding Step and Vestibule lining are scheduled for May.*

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**6.**

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

Tammy Krause provided the following update for inclusion in today's minutes (5-2-19):

*I should have the final version of the Single Level Specification Rev B2 next week and I will have the website updated.*

*The single level trainset update continues. The 92 DCRs are still with their respective working groups. The Interiors group has made a recent change to one of the DCRs. The Mechanical group is still reviewing their DCRs. I do not have an update from the VTI or Structures group. I have the electrical changes.*

*I have received the Electrical, Mechanical, Interiors and Electronics on Trains member lists. I am still waiting on the VTI and Structures member lists.*

*David Brabb has taken over the Electronics on Trains working group and will be scheduling a meeting.*

**7.**

**Update: Electronics on Trains – David Brabb, Sharma-Associates:**

David Brabb was unavailable for this call. Tammy Krause will check with David to see when the working group will meet and will inform Steve Hewitt and Charlie King as they develop the Technical subcommittee agenda for 5-16-19. The update on the Electronics on Trains working group will be an agenda item on the 16<sup>th</sup> if a call has been held by the working group, if not, it will be scheduled for the following subcommittee call.

**8.**

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

Hamid Sharif-Kashani reported that the simulation model, which has been completed and undergoing testing in the lab for some time now, has been approved by FRA (thank you Tarek Omar) for Phase two - field testing. Hamid stated that they had begun planning to begin this phase.

The simulation model is available to anyone who is interested. During the field-testing Hamid welcomes input from technical subcommittee members - if interested – please contact Hamid at [hamidsharif@unl.edu](mailto:hamidsharif@unl.edu)

**9.**

**Other Issues:**

Steve Hewitt reviewed the action items from today.

Charlie King and Ray Hessinger both noted that they should have updates on the Amtrak Equipment procurement (Charlie) and on the Metro-North Dual Mode Locomotive procurement (Ray).

With no further business forthcoming for today's call, Charlie King adjourned the meeting at 3:15pm Eastern.

**Next Call: 5-16-2019– 3:00pm Eastern**

**Decisions and Action Items**

**Updating ECP Standards** This is an ongoing item which the Technical subcommittee is tracking:

On 4-4-19, Paul Jamieson provided the following update for inclusion in the minutes:

*ECP Project: As of February 2019, the revenue service demonstration has accumulated 968,922 ECP miles and 2,116,949 emulation miles for a total of 3,085,871 miles since the start in June 2014. The 8 APTA PRESS Standards are in the final public comment period. Any public comments should be resolved during April and the standards forwarded for final process approval within APTA. The FRA final report has been drafted and a test committee meeting will be scheduled to approve the submittal. Amtrak has filed a waiver extension required to continue the revenue service operation.*

No new update was provided on 5-2-19

**Requesting Backgrounder educational document:**

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**Maintaining Industry Participation List: Status:** There are currently 206 industry participation members.

**AAR TAG Committee on LED Headlights Phase 2:**

Phase 2 – Static Testing – was completed two months ago – the final report has been delivered.

Phase 3 – Dynamic Testing – should begin within May or in a few weeks.

Next update – planned for 5-30-19

**PRIIA Multi-State Procurement Update:**

**Multi-State Car Procurement - Caltrans (Lead State):** Progress reports from the lead state will be provided on each subcommittee call.

See agenda item 5 for 5-2-19 update

**Document Control Update as of 5-2--19:**

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*I have received the Electrical, Mechanical, Interiors and Electronics on Trains member lists. I am still waiting on the VTI and Structures member lists.*

*David Brabb has taken over the Electronics on Trains Working Group and will be scheduling a meeting.*

**Electronics on Trains Working Group – 4-18-19:**

David Brabb was unavailable for this call. Tammy Krause will check with David to see when the working group will meet and will inform Steve Hewitt and Charlie King as they develop the Technical subcommittee agenda for 5-16-19. The update on the Electronics on Trains working group will be an agenda item on the 16<sup>th</sup> if a call has been held by the working group, if not, it will be scheduled for the following subcommittee call.

**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:**

Hamid Sharif-Kashani reported that the simulation model, which has been completed and undergoing testing in the lab for some time now, has been approved by FRA (thank you Tarek Omar) for Phase two - field testing. Hamid stated that they had begun planning to begin this phase.

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Next update – 5-16-19

**Next call: 5-2-19**

**Call in number is:**

**888 585-9008 access #: 559-120-127**

**ATTACHMENTS**



*Our Vision: The NGEC will provide national leadership in standardization, acquisition, and management of passenger rail equipment.*

**PRIIA Section 305 Tech Sub Committee Meeting**

**May 2, 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 4-18-19   | Charles King         |
| 5. Update: Multi-State Rail Car Procurement   | Momo Tamaoki         |
| 6. Update: Document Control   | Tammy Krause         |
| Status: Revision B.2 – Tech Writer incorporating changes into 305-003 Rev B.2 specification document    |                      |
| Status: Technical Working Groups review of Single Level Trainset Specification DCRs for Revision update |                      |
| Status: Verifying/updating all Technical working group member lists and team leaders                    |                      |
| 7. Update: Electronics on Trains Working Group  | David Brabb          |
| Status: DTL Software Specifcation Development   |                      |
| 8. Update: University of Nebraska High Speed wireless study   | Hamid Sharif-Kashani |
| 9. Other issues   | All                  |
| 10. Review this meeting:  | Steve Hewitt         |
| a) Decisions  |                      |
| b) New Action Items   |                      |

***Technical Sub Committee Conference Call Meeting:***  
***Thursday 5-2-19 / 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 –5-16-19 at 3:00pm Eastern***