

# SECTION 305 TECH SUB COMM

MINUTES

JUNE 25, 2020

3:00PM EASTERN

CONFERENCE CALL

<b>FACILITATOR</b>	<i>Charlie King, Chair, NGENC Technical Subcommittee</i>
<b>ATTENDEES</b>	<b>Core Team Members:</b> <i>Charlie King, Jeffrey Gordon, Curtis McDowell for Matthew Simmons, Jennifer Bastian, Jon Mullin for Momo Tamaoki, Phil Meraz, Steve Hewitt, George Hull, Duncan Copland, Michael Kraft, Tarek Omar, Tammy Krause, Hamid Sharif-Kashani</i> <b>Industry Members:</b> <i>Dick Bruss, Richard Curtis, Rich Stegner, Bill Saddler, Tom LaMano, Kevin Myles, Jonathan Michel, Darrell Smith, Ed Golitko, Josh Coran, Joe Kenas</i>
<b>ABSENTEES</b>	<i>Matthew Simmons, Marci Petterson, Ray Hessinger, Charlie Poltenson, Troy Hughes, Momo Tamaoki, Jason Biggs, Mike Jenkins, Byron Comati, Oscar Bermudez, Larry Salci, Art Peterson, Mike Murray</i>

## DISCUSSION/DECISIONS MADE

**1.**

Chairman King, Amtrak, called today's meeting to order and asked Steve Hewitt to call the roll.

After calling the roll, Steve Hewitt could not confirm 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 Meeting Agenda – Charlie King, Amtrak:**

Chairman King provided a brief overview of today's meeting agenda.

**3.**

**Review Action Items – Steve Hewitt, NGENC Program Manager:**

**Requesting Backgrounder educational document:**

As reported previously, the two-pager has been updated and is available in hard copy and/or pdf versions. To date over 400 hard copies and electronic copies have been distributed.

Contact Steve Hewitt at [shewitt109@aol.com](mailto:shewitt109@aol.com) for copies – hard copy or PDF. If hard copies, let Steve know where to send them and how many.

**Maintaining Industry Participation List:** There are approximately 200 industry participation members.

**Establish process and timeline for Tech SC review of Access Board NPRM Accessibility Guidelines and compare with current NGENC Specifications:**

The intent of this effort is for states to submit their comments to the Access Board Docket on the Accessibility Requirement Guidelines (advanced) Notice of Proposed Rulemaking. Amtrak has submitted its comments already. Once the comments "have come back", the Technical subcommittee will compare them with the NGENC specifications to ensure compliance.

Following the call (5-28-20), Melissa Shurland informed Steve Hewitt that The US Access Board extended the comment period for Recommendations on Access for Rail Vehicles until 7-14-20.

<https://www.access-board.gov/guidelines-and-standards/transportation/vehicles/update-of-the-guidelines-for-transportation-vehicles/advance-notice-of-proposed-rulemaking-2>

**Electronics on Trains Working Group activities as of 5-14-20:**

*NGENC Electronics Subcommittee – Update for 5-14-20:*

*We are currently asking the group to help us with guidance on the original intent of the PRIIA 305 specification, including the topology, for the DTL system. In our last meeting, on April 21st, we discussed whether we should specify a RING topology or a*

*Linear topology. This question came up because our initial find seemed to point to a Ring topology. But after review and feedback, it looked as though a linear topology would be more appropriate. Additionally, we have had industry suppliers tell us that we should specify the allowance for both topologies. This, as you know, would make interoperability between the two difficult, as one of them would have to be changed to the other to work correctly in the same consist.*

*We've yet to receive clarification as to the main intent.....do we need to design the specification(s) to ensure interoperability between all vehicles? Or, is this optional? And, if it does not apply to all vehicles, which vehicles or train sets would it apply to? That is the information that we are looking to clarify now.*

*Our next meeting is planned for May 19th.*

Tammy Krause agreed to look at the issues/questions raised by David Brabb and to provide him with a response.

Update 6-11-20:

Steve Hewitt provided an update from David Brabb:

David Brabb expressed his appreciation for Tammy Krause's help in pointing them in the right direction.

The Electronics sub had a call on June 2nd. A topology was decided on and they are moving forward with for DTL. They are now making the appropriate changes to the specification.

The next meeting is Tuesday June 30th.

Next Update: 7-9-20

#### **Metro-North Dual Mode Locomotive Procurement as of 6-11-20:**

While a lot of activity is occurring – it remains work that is within the "cone of silence" so no details can be provided at this time.

Next Update -7 9-20

#### **Update: Amtrak Equipment Procurement as of 6-11-20:**

On the Acela:

The first Trainset is at Pueblo at TTCI for testing. It has reached speeds up to 165 mph on the test track and has 3,000 miles on the wheels.

The second Trainset has done a few early runs out of Philly a couple of times and has reached 125 mph. There are still a few PTC issues that are being worked on.

On the Locomotives:

While there has been a little slow down because of the COVID 19 pandemic, overall, it remains on schedule for February-March (2021) delivery of the first test locomotive.

On the Intercity Trainset Procurement:

This procurement is proceeding, but it is at a stage where it remains in the "cone of silence".

Next Update: 7-9-20

#### **4. Approval of the Minutes from 6-11-20 – Charlie King, Amtrak:**

This item was tabled until the next call (7-9-20) due to the lack of a quorum.

#### **5. Update: Multi-State Railcar Procurement as of 6-25-20 – Jon Mullin for Momo Tamaoki, Caltrans:**

Jon Mullin provided the following update:

*Design review for the standard coach is complete. The Cab Car structure FDR is complete, and CEM element testing is currently*

*planned for early July, with setup for compression testing to follow in July or August. The Cab Car brake system FDR is confirmed for July 9th. IDOT galley FDR reviews and releases are ongoing, and the latest galley review occurred on June 16<sup>th</sup>.*

*Travel restrictions are being evaluated, with potential travel in July to reviews and test sites. Video and photos continue to be provided for tests that SMEs are unable to witness. NEC testing is complete, and the test report is in work.*

*51 cars total are in production or have been produced at Siemens Sacramento Facility. System-level FAIs for standard coach are complete with final open items in work to complete first car overall FAI. The overall car FAI for IDOT is in process this week, followed by an FRA Sample Car Inspection. There are seven cars total at the Stockton facility. Cars 11 and 12 are scheduled to be shipped to Stockton at the end of June. The IDOT cars are scheduled to begin shipments near the end of July.*

*The project teams continue to monitor potential production and schedule impacts due to the coronavirus and are receiving frequent updates from SCOA and Siemens.*

**6.**

**Status Update – CT DOT Rail Car Procurement – Marci Petterson, CT DOT:**

Marci Petterson was not on the call and did not provide an update – this item was tabled until the next call.

**7.**

**Status: Developing a TSSSA Primer – Charlie King:**

Charlie King reported that work continues in the development of the primer that will ultimately be included with the PRIIA Documents. Completion of the DRAFT primer has been slowed by issues the more immediate workload from the procurements underway and issues related to COVID 19.

**8.**

**Update: Document Control Management - Tammy Krause:**

As of 6-25-20:

*The past two weeks in Document Control have been focused mainly on the Equipment Acquisition and Ownership document. The draft is under final review and we will be discussing the changes later today.*

*The DCRs for the DMU specification have been received back from all but 2 working groups.*

*The changes to the trainset specification necessary to make it match the other specifications continue and that is causing the delay in issuing the revised specification.*

**9.**

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

Hamid Sharif-Kashani reported that phase 1 and the current phase were completed (development of the simulator and verification of the model) and they are now getting ready for the next phase – to determine effectiveness.

Charlie King commented that many do not realize how jammed up the frequency spectrum is. Hamid agreed and noted that they have had to be creative in finding ways to utilize existing frequencies for different uses.

**10.**

**Update: AAR Tag Committee on LED Headlights – Phases 3 and 4 – Tarek Omar:**

Tarek Omar, FRA, reported that Phases 3 and 4 are complete and the committee is working on the final report. Tarek hopes to be able to share the report with this group soon.

**11.**

**Other Issues:**

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

**Next Call: 7-9-20– 3:00pm Eastern**

### Decisions and Action Items

#### **Requesting Backgrounder educational document:**

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#### **Maintaining Industry Participation List:** There are approximately 200 industry participation members.

Reminder: The list is only as good as the information Steve is provided, and often members retire or move on to other companies and do not let Steve know so the list becomes inaccurate.

#### **AAR TAG Committee on LED Headlights Update:**

As of 6-25-20:

Tarek Omar reported that Phase 3 and 4 are complete and they are working on the final report. Tarek hopes to be able to share the report with this group soon.

Next update as appropriate.

#### **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 6-25-20 update.

#### **Document Control Update:**

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Next Update: 7-23-20

**Metro North Dual Mode Locomotive Procurement:**

As of 6-11-20, Metro-North continued to be in the procurement "Cone of Silence".

Next Update: 7-9-20

**Connecticut DOT Rail Car Procurement:**

On 4-30-20, Marci Petterson, Connecticut DOT announced that they are about to an RFP on new rail cars. Marci will send the link to Steve Hewitt for distribution to NGEN members.

There was no update provided on 6-25-20. This item was tabled until the next call.

Steve Hewitt will follow up with Marci Petterson to see if she will be able to provide regular updates on this item.

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**Developing a TSSSA spec/menu/template - status as of 6-25-20:**

Charlie King reported that work continues in the development of the primer that will ultimately be included with the PRIIA Documents. Completion of the DRAFT primer has been slowed by issues the more immediate workload from the procurements underway and issues related to COVID 19.

Next Update: 7-23-20

**Next call: 7-9-20**

**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**

**June 25, 2020**

The agenda for the meeting is below:

- |  |                             |
|--|-----------------------------|
| 1. Roll Call   | Steve Hewitt                |
| 2. Review Meeting Agenda   | Charlie King                |
| 3. Review Action Items   | Steve Hewitt                |
| 4. Approve Minutes from 6-11-20  | Charlie King                |
| 5. Update: Multi-State Rail Car Procurement                                      | Jon Mullin for Momo Tamaoki |
| 6. Update: Connecticut Rail Car Procurement                                      | Marci Petterson             |
| 7. Status: Developing TSSSA Primer   | Charlie King                |
| 8. Update: Document Control Management   | Tammy Krause                |
| - Status: Completion of Single Level Trainset Specification 305-007 – Revision B |                             |
| - Status: DMU spec update – timeline   |                             |
| - Updating list of Technical working group members                               |                             |

- Status: updating DRAFT Equipment Acquisition and Ownership Best Practices Document

- |  |                      |
|--|----------------------|
| 9. University of Nebraska High Speed Wireless Study            | Hamid Sharif-Kashani |
| 10. Update: AAR TAG Committee on LED Headlights Phases 3 and 4 | Tarek Omar           |
| 11. Other issues   | All                  |
| 12. Review this meeting:                                       | Steve Hewitt         |
| a) Decisions   |                      |
| b) New Action Items  |                      |

***Technical Sub Committee Conference Call Meeting:***  
***Thursday 6-25-20-20 / 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 -7-9-20 at 3:00pm Eastern***