

SECTION 305 TECH SUB COMM

MINUTES

OCTOBER 15, 2020 3:00PM EASTERN

CONFERENCE CALL

FACILITATOR	<i>George Hull, Chair, NGENC Technical Subcommittee</i>
ATTENDEES	Core Team Members: <i>George Hull, Melissa Shurland for Jeffrey Gordon, Curtis McDowell for Matthew Simmons, Momo Tamaoki, Ray Hessinger, Marci Petterson, Jennifer Bastian, Jason Biggs, Joe Paul, Steve Hewitt, Art Peterson, Blair Slaughter, Dave "Emeritus" Warner, Larry Salci, Tammy Krause, Industry Members:</i> <i>Rich Stegner, Kirk Klug, Dick Bruss, Craig McKeen, Peter Basile, Jon Mullin, Matt Sibul, Jeff Schultz, Alexander Epstein, Eloy Martinez, Darrell Smith, James Michel, Richard Curtis, Anthony Lucas, Greg Gagarin, Adam Saplin, Joseph Loffredo, Bill Saddler, Josh Coran, Rich Bowie, Ed Golitko, Paul Jamieson</i>
ABSENTEES	<i>Jeff Gordon, Mathew Simmons, Phil Meraz, Troy Hughes, Mike Jenkins, Tarek Omar, Mike Murray, Michael Kraft, Oscar Bermudez</i>

DISCUSSION/DECISIONS MADE

1.

Chairman George Hull, 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.

2.

Review Meeting Agenda – George Hull, Amtrak:

On behalf of Chairman Hull, Steve Hewitt provided a brief overview of today's meeting agenda.

3.

Review Action Items – Steve Hewitt, NGENC Program Manager:

Requesting Background educational document:

As reported previously, the two-pager has been updated and is available in hard copy and/or PDF versions. To date about 420 copies (Electronic or hard copies) have been distributed.

Contact Steve Hewitt at shewitt109@aol.com for copies – hard copy or electronic version. If hard copies, let Steve know where to send them and how many.

The two-pager is currently under review by the NGENC Finance and Administrative subcommittee for its annual update.

Maintaining Industry Participation List: There are approximately 200 industry participants.

Status Update: Electronics on Trains Working Group as of 9-17-20:

The following update was provided for inclusion in the minutes of 9-17-20 by David Brabb:

The NGENC Electronics subcommittee had a web conference on Tuesday, September 8th. We have received the final comments/edits to the latest PRIIA 305 DTL Hardware specification. After implementing the comments/edits, we plan to issue revision 2020B before our next scheduled web conference on September 29th. In that meeting we plan to discuss the next step in the specification development process which likely will be the addition of firmware specs/info to the DTL doc.

On 9-17-20, Steve Hewitt pointed out that he has asked Tammy Krause, Document Control Manager, to reach out to David Brabb to make sure that the NGENC procedures are being followed in revising/updating the specification.

On 10-1-20, Steve Hewitt received and reported on the working group's activities as provided by David Brabb:

The Electronics working group had a meeting Tuesday, September 29th. We are issuing the 305-919 DTL Hardware spec to our

group for final comments on it. We will then begin adding the firmware specs to the same DTL Hardware spec. This will then lead to the next round of edits/comments by our small group.

We will then do as Tammy Krause said and submit the hardware spec to your big group (the full Technical subcommittee) and follow what is needed to get it complete (approved).

Finally, further down the road we will address the 305 - 920 software spec.

Our next web-call is scheduled for October 27th.

Next Update: 10-29-20

Status: University of Nebraska High Speed Wireless Study – next phase:

On 9-17-20, Hamid Sharif-Kashani reported that FRA had approved the next phase of this study and they have begun work on the issue of spectrum saturation and are looking into how to utilize other available frequencies and developing models for both voice and data.

Next Update: 10-29-20

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

On 10-1-20, Ray Hessinger reported that the Metro-North procurement continues to move forward but remains in the "Cone of Silence"

Next Update: 10-29-20

Connecticut DOT Rail Car Procurement – Marci Petterson, Ct DOT:

On 10-1-20, Marci Petterson reported that they have sent out answers to the second round of questions. (These came from the from the second addendum).

They have sent out a 3rd addendum with questions (9-25-20). This addendum includes clarifications on previous questions. It includes an air sanitation system to address COVID concerns and any other similar issues they may come in the future. It also included a 2-week extension – responses due by 11-2-20.

Next Update: 10-29-20

As of 9-3-20:

On the Acela:

The first two "prototypes" continue in different phases of testing.

Trainset #1 is in Pueblo and has been consistently hitting 165 mph.

Trainset #2 is at Penn Coach Yard for testing and is working through various access issues. #2 has the instrumented wheels under it. Today (9-3-20) the Philadelphia Fire Department came out and assisted Amtrak in some testing – simulating a rainstorm to test the trainset to ensure that it is watertight.

As of 10-1-20:

On the Locomotives:

There are 12 units in various stages of production with 2 in the final stages.

On the Amfleet Replacement:

It continues to progress, but it is also currently in the "Cone of Silence" phase.

Next Update: 10-29-20

4. Approval of the Minutes from 10-1-20– George Hull, Amtrak:

On a motion offered by Curtis McDowell for NCDOT, and seconded by Marci Petterson, ConnDOT, the minutes from 10-1-20 were approved as presented.

5.

Update: Multi-State Railcar Procurement as of 10-15-20 – Momo Tamaoki, Caltrans:

On 10-15-20, Momo Tamaoki, Caltrans, provided the following update:

Design review for the standard coach is complete. The Cab Car structure FDR is complete and the structural test plans have been reviewed and are in revision. Reviews for Vending Cars, Cab Car Interiors, and Diagnostic Systems occurred the week of September 28, 2020. IDOT Café Car releases are ongoing with design reviews continuing through October. The Café Car IDR has been approved. The new emergency egress window was successfully demonstrated to FRA on September 29, 2020.

Workstation table testing took place early this month in Spain and was witnessed virtually by Caltrans and IDOT. Repeat testing is tentative for October 19. NEC testing for standard coach is complete and FRA comments are in review by Siemens. Caltrans 238.111 testing is complete, and the final report is in work. The IDOT 238.111 test runs on the IDOT corridors are planned for October. Cab Car Compression Test Preparation is ongoing, but test dates are contingent on when travel bans will be lifted. 58 cars total are in production or have been produced at Siemens Sacramento Facility. System-level FAIs and the Complete Coach FAI are now approved for the standard coach. There are nine cars delivered to the Stockton facility. Four more CALTRANS cars are scheduled to ship on December 2nd. The third IDOT shipment occurred on September 30th and additional cars are tentatively scheduled to ship Mid-November.

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.

Update: Document Control Management as of 10-15-20 – Tammy Krause:

Tammy Krause provided the following update for inclusion in the minutes of today's call (10-15-20) and action was taken on the first item contained in her update (see below):

The DMU specification changes were sent out to the entire TSC on 10/1/2020. I have received no comments on any of the proposed changes. I would like to have a vote on sending it to the Executive Board.

Steve Hewitt recommended that George Hull call for a discussion to see if anyone may have a comment, and, if there are no comments, he could call for a motion and a second to approve the Summary of Changes as distributed to all subcommittee members on 10-1-20, and call for any further discussion. If none is forthcoming, a vote can be taken.

Ray Hessinger, NYSDOT, recommended that the question be asked of those on the call if any intended to submit comments. If not, he would make the motion for a vote to approve.

George Hull called for a discussion and asked if anyone intended to submit comments. Hearing none, George called for a motion to approve the Summary of Changes as proposed to the PRIIA DMU specification.

A motion to approve was offered by Ray Hessinger, NYSDOT, and was seconded by Jennifer Bastian, IDOT,

With no further discussion brought forward, George Hull asked Steve Hewitt to conduct a roll call vote of voting members present or represented by proxy:

George Hull, Amtrak – in favor
Melissa Shurland for Jeff Gordon, FRA – in favor
Momo Tamaoki, Caltrans – in favor
Curtis McDowell, for Matthew Simmons, NCDOT – in favor
Ray Hessinger, NYSDOT – in favor
Jennifer Bastian, IDOT – in favor
Marci Petterson, ConnDOT – in favor
Jason Biggs, WSDOT – in favor

With a quorum having been established and all voted cast in the affirmative, George Hull determined that consensus had been achieved and the motion carried.

Steve Hewitt will provide the Summary of Changes as approved by the Technical subcommittee to the NGEC Executive Board. In accordance with NGEC procedures, on the next call of the NGEC Executive Board, its Chairman, Ray Hessinger, NYSDOT, will

reconvene the NGENC DMU Specification Review Panel and request that NGENC Technical consultant Larry Salci begin conducting a review of the proposed changes against the DMU Requirements document to ensure compliance.

Tammy Krause will provide Steve Hewitt with the Summary of Changes as approved on today's (10-15-20) NGENC technical subcommittee call for transmittal to the NGENC Executive Board.

Upon completion of the vote on the DMU changes, Tammy Krause continued her report:

I have received the final Working Group member list and I will now send out a request to all the Working Group members for their contact information. Most of the lists consist of just email addresses. When complete, Tammy will provide the list to Steve Hewitt.

I do not have an update on the other items, but I will be talking with the Technical Writer tomorrow and should have additional information for the EB meeting on Tuesday.

Steve Hewitt noted that Chairman Hessinger would be looking for a status update on these items on the next Executive Board call (10-20-20).

7. Developing a TSSSA specification/template – George Hull:

There was nothing new to report on this item.

8. Status: Access Board Review of Comments Received on Advanced NPRM on Accessibility Guidelines – Melissa Shurland:

Melissa Shurland reported that there was nothing new to report on this item. She added that things seem to be at a standstill right now. She will report to the subcommittee once the Access Board has completed its review.

9. Other Issues:

With no other issues forthcoming, George Hull adjourned the meeting at approximately 3:20PM Eastern.

Next Call: 10-29-20– 3:00pm Eastern

Decisions and Action Items

Requesting Background educational document:

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On 10-1-20, Steve Hewitt reminded members that the two-pager is currently under review by the NGENC Finance and Administrative subcommittee with the intent of updating it and making it current. The work on this will be completed by January 2021. As of 10-15-20, this effort is underway.

Maintaining Industry Participation List: There are over 200 industry participants.

AAR TAG Committee on LED Headlights Update:

On 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.

On 8-20-20, Tarek Omar noted that the LED testing is complete except for ice melting – which will need to wait a few months on. Steve Hewitt asked if he should remove this item as a regular update. It was agreed that he would take it off as a monthly standing

agenda item and will make a note to check in with Tarek in December 2020.

Next Update: December 2020 or as appropriate

PRIIA Multi-State Procurement Update 10-15-20:

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

On 10-15-20, Momo Tamaoki, Caltrans, provided the following update:

Design review for the standard coach is complete. The Cab Car structure FDR is complete and the structural test plans have been reviewed and are in revision. Reviews for Vending Cars, Cab Car Interiors, and Diagnostic Systems occurred the week of September 28. IDOT Café Car releases are ongoing with design reviews continuing through October. The Café Car IDR has been approved. The new emergency egress window was successfully demonstrated to FRA on September 29.

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Document Control Update and action taken - 10-15-20:

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Ray Hessinger, NYSDOT recommended that the question be asked of those on the call if any intended to submit comments. If not, he would make the motion for a vote to approve.

George Hull called for a discussion and asked if anyone intended to submit comments. Hearing none, George called for a motion to approve the Summary of Proposed Changes to the PRIIA DMU specification.

A motion to approve was offered by Ray Hessinger, NYSDOT, and was seconded by Jennifer Bastian, IDOT,

With no further discussion brought forward, George Hull asked Steve Hewitt to conduct a roll call vote of voting members present or represented by proxy:

George Hull, Amtrak – in favor
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The FRA approved the next phase of this study and they have begun work on the issue of spectrum saturation and are looking into how to utilize other available frequencies and developing models for both voice and data
Please contact Hamid Sharif-Kashani if you would like more information on this effort.

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Amtrak Equipment Procurement as of 10-1-20:

As of 9-3-20:

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On the AmFleet Replacement:

It continues to progress, but it is also currently in the “cone of silence” phase.

Next Update: 10-29-20

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

On 8-20-20, Melissa Shurland, FRA, reported that the comment period ended on 7-14-20 (after having been extended to that date) and the Access Board is now processing those comments received. Melissa stated, “we are in a holding pattern to see what the comments were and what the Access Board’s disposition of them will be.” Melissa will keep the NGEN technical subcommittee informed as the process is completed.

On 10-15-20, Melissa Shurland reported that there still was no update from the Access Board on this activity.

Next Update: As appropriate

Developing a TSSSA spec/menu/template:

On 10-15-20, George Hull reported that there was no update on this activity as of yet.

Next Update: As appropriate

Next call: 10-29-20

By Computer: <https://stephenhewitthewittconsulting.my.webex.com/meet/shewitt109>

by phone: 1-415-655-0001

Access code: 126-073-1531

ATTACHMENTS



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

PRIIA Section 305 Tech Sub Committee Meeting

Web Ex video/audio information:

By Computer: <https://stephenhewitthewittconsulting.my.webex.com/meet/shewitt109>

by phone: 1-415-655-0001

Access code: 126-073-1531

October 15, 2020

The agenda for the meeting is below:

- | | |
|---|------------------|
| 1. Roll Call | Steve Hewitt |
| 2. Review Meeting Agenda | George Hull |
| 3. Review Action Items | Steve Hewitt |
| 4. Approve Minutes from 10-1-20 | George Hull |
| 5. Update: Multi-State Rail Car Procurement | Momo Tamaoki |
| 6. Update: Document Control Management | Tammy Krause |
| - Review/discussion of DMU specification summary of changes as provided to the full subcommittee on 10-1-20 | |
| - Status: Completion of Technical formatting of Single Level Trainset Specification 305-007 – Revision B | |
| - Status: Finalizing updated list of Technical working group members | |
| - Status: Equipment Acquisition & Ownership WG – Updated DRAFT Recommended Practice document | |
| 7. Developing a TSSSA spec/menu/template | George Hull |
| 8. Status: Access Board Review of comments received on advanced NPRM Accessibility Guidelines | Melissa Shurland |
| 9. Other | All |
| 10. Review this meeting: | Steve Hewitt |
| a) Decisions | |
| b) New Action Items | |

Next Call –10-29-20 at 3:00pm Eastern