

SECTION 305 TECH SUB COMM

MINUTES

NOVEMBER 30,
2017

3:00PM EASTERN

CONFERENCE CALL

FACILITATOR	<i>Charles King, Chair, NGEN Technical Subcommittee</i>
ATTENDEES	Core Team Members: <i>Charlie King, Jeff Gordon, Allan Paul, Charlie Poltenson, Jeff Schultz for Marci Patterson, Phil Meraz, Eric Curtit, Tammy Krause, Michael Burshtin, Steve Hewitt, Tarek Omar, Larry Salci</i> Industry Members: <i>Paul Jamieson, Tom Sisler, Jack Madden, Bill Saddler, Tom LaMano, Al Bieber, Dick Bruss, Martin Bloedt, Pat Sheeran, Josh Coran, Tom Hunt, Richard Curtis, Joe Kenas, William Slater</i>
ABSENTEES	<i>George Hull, Jason Biggs, Marci Petterson, Momo Tamaoki, Jennifer Bastian, Andrew Wood, Jonathan Hines, Jay Gilfillan, Art Peterson, Devin Rouse, Charles Bielitz, Michael Coltman, Brian Marquis, Sal DeAngelo</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, 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 the Meeting Agenda:

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

3.

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 **238** registered industry participants. Steve Hewitt has updated the industry list with the information at hand, but continues to seek input from members regarding any additional updates or changes they may be aware of.

Requesting Background educational document: Copies remain available, and subcommittee members (core team and industry) who would like a hard copy (copies) should contact Steve at shewitt109@aol.com with the number requested and an address to send them to.

As of 11-30-17, the Finance and Administrative Subcommittee continues its review of a proposed draft of the educational document. On 11-21-17, the FASC received input from members of the Executive Board. The intent is to discuss changes and potentially approve the document for submittal to the Executive Board on the next FASC call on 12-13-17.

The intent is to have the document printed and ready for distribution at the NGEN Annual Meeting in Washington, DC on 2-23-18.

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 11-2-17, Paul Jamieson provided the following update for inclusion in the minutes:

"The revenue service demonstration test train has accumulated 407,976 operating miles in ECP mode and 1,731,883 operating miles in Emulation mode. Total train mileage to date is 2,139,859 miles since the project started in June 2014. The train did not operate in ECP due to a damaged display screen which is not an ECP fault."

The test committee met on October 31, 2017. The test committee approved the FRA interim report and continuation of the revenue service demonstration at least until June of 2018. The FRA interim report will be submitted under the waiver.

The updated CFR draft language was presented to the RSAC ETF meeting on October 12, 2017. The draft language is currently under review by FRA counsel to incorporate into NPRM2. The RASC ETF will review the NPRM2 language prior to publication."

No update reported 11-30-17.

AWG/RVACC Update:

AWG: On 11-2-17, Melissa Shurland, FRA, reported that FRA is working with Volpe and Oregon State University (OSU) on a white paper using prior research as the basis, and using knowledge of determinations on wide seating and wheelchair accessibility. Using existing research is saving funding for potential new research after completion of the white paper.

Asked if the Interiors working group should be briefed on the white paper and potential changes, Melissa responded that the white paper will align with what has been discussed previously in the AWG regarding able body row to row seating and should not impact interiors on the single level or bi-level cars. She said she would be happy to brief the members of the Interiors group.

No update to report on 11-30-17.

RVACC: No new activity on the RVACC at this time. Melissa is in contact with the Access Board on a regular basis to check on the status of its efforts.

4.

Approval of the Minutes from 11-16-17 – Charlie King, Amtrak:

With a quorum having been confirmed, Charlie King called for a motion to approve the minutes from the 11-16-17 conference call:

On a motion offered by Charlie Poltenson, NYS DOT, and seconded by Allan Paul, NCDOT, the minutes from the 11-16-17 conference call were approved as presented.

5.

Update: Diesel-electric Locomotive Procurement – Jennifer Bastian, IDOT:

Jennifer Bastian, IDOT, provided the following update for inclusion in today's minutes. In Jennifer's absence, Steve Hewitt read the update into the record:

- a) All locomotives have completed required testing and all reports have been submitted and received.*
- b) 110 mph hour testing in MI and the Chicago/St. Louis line will take place when all PTC logistics and software are up and in place. There may be a window of opportunity to do this testing this month, or in December, when the UP turns off cab signal in that territory.*
- c) IDOT and Siemens have signed conditional acceptance on 31 units and final acceptance on 29 IDOT units.*
- d) Seven IDOT locomotives are operating in lead position and more will be rolling out in the next few weeks.*
- e) IDOT locomotives 4601 - 4631 have completed burn-in testing at TTCI. Locomotives 4632 and 4633 are at TTCI and testing will be complete 11/30/2017. These are the last units of the order that are shipping from Siemens.*
- f) The locomotives stored at TTCI will ship to Chicago, as soon as storage space becomes available. Storage space in Chicago is being freed-up with the re-deployment of P-42 locomotives by Amtrak, and now indicates room for 23 locomotives will be available soon. A shipping plan is in place.*
- g) WSDOT Units are operating in revenue service.*
- h) Caltrans Locomotives are operating in revenue service.*
- i) The final procurement project meeting was held last week with the JPEs.*
- j) The final procurement project meeting was held last week with Siemens and the JPE's*
- k) The Failure Review Board is established, with all JPE's included and Siemens. Amtrak representatives are participating in the meetings.*
- l) Bi-weekly warranty meetings are being held by Siemens, they have scheduled recurring meetings with the JPE's.*

6.
Update: Multi State Car Procurement – Momo Tamaoki, Caltrans:

Momo Tamaoki was not available for today's call, so this update item was tabled until the next call.

7.
Document Control Update - Tammy Krause:

Tammy Krause provided the following update for inclusion in today's meetings:

The DCR to increase the weight limits in the single level specification was approved by the Executive Board on 11/21/17. I have recently received 90 proposed document changes from California for the single level specification. I am currently reviewing them for the type of DCR they should be, and will send the list back to California so it can create the DCRs.

8.
Progress Report – Electronics on Trains Working Group – Tom Sisler, SNC-Lavalin:

Working Group Chair, Tom Sisler, provided the following update for inclusion in today's minutes:

- 1. We had a presentation from the AAR last week on their work to replace standard 27-point jumpers with Ethernet on freight trains. The AAR's cable spec came from the ECP spec. They will roll out basic features but are contemplating some advanced features.*
- 2. A question was asked about compatibility between freight and passenger locomotives for rescue operations. We will compare the AAR spec to the DTL spec and work toward rescue capability. Currently they are not compatible per a past discussion in a meeting. The group agreed this is important.*
- 3. We are going to add wireless communication as a future piece of work. It might be a separate spec or possibly a modification to the DTL hardware spec.*
- 4. We will look to identify work to farm out to Melissa Shurland for Sharma and University of Nebraska.*
- 5. We will identify what work is left to do to finalize the DTL software specification.*
- 6. All specifications we create will have periodic testing considered utilizing devices, connection points and/or testing routines in software to make it possible and easy to perform periodic maintenance.*
- 7. Our next meeting will be on 12/5 at 3 pm EST. There will be a presentation on Screenex product from OSG.*

Charlie King asked Tom if he would be able to provide a de-brief on the Screenex presentation on the next Technical subcommittee call in addition to the regular bi-weekly update. Tom agreed to do so.

9.
Update: TAG Committee on LED Headlights – Tarek Omar, FRA:

Tarek Omar reported that the testing began on 11-27-17 and all is going well and smooth so far. He anticipates the testing could be done as soon as tomorrow (12-1-17). At that point the data will be looked at a report will be put together.

10.
Other Issues:

Steve Hewitt informed all members of the subcommittee and the industry participants that the NGE 2018 Annual Meeting will take place on 2-23-18 in Washington, DC from 8:30am-2:00PM. More details will be forthcoming. The meeting will take place at the end of a busy week in which AASHTO's Standing Committee on Rail will meet, as will other committees.

With no other issues forthcoming, Chairman King adjourned today's call at 3:18PM Eastern.

Next Call: 12-14-2017 – 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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RVACC: No new activity on the RVACC at this time. Melissa is in contact with the Access Board on a regular basis to check on the status of its efforts.

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AAR Committee: Ongoing – Relevant updates are provided once a month.

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Next update 12-28-17.

Procurement Updates:

Diesel-Electric Locomotive Procurement: Progress reports from the lead state on the PRIIA multi-state locomotive procurement is provided on each technical subcommittee call. See item 5, above, for today's update (11-30-17).

Multi-State Car Procurement - Caltrans (Lead State): On 11-16-17, Momo Tamaoki, Caltrans, reported that the contract amendment with Sumitomo was executed on 11-3-17. The replacement car builder will be Siemens. A kick off meeting will take place in about a month. Thereafter, Momo will provide more detailed updates to the Technical subcommittee.

There was no update today (11-30-17) as the "kick-off" meeting was underway.

Document Control Update as of 11-30-17:

The DCR to increase the weight limits in the single level specification was approved by the Executive Board on

11/21/17. I have recently received 90 proposed document changes from California for the single level specification. I am currently reviewing them for the type of DCR they should be, and will send the list back to California so it can create the DCRs.

Electronics on Trains Working Group: the working group continues to meet bi-weekly. (see report under agenda item 8).

Next update 12-14-17

DEF-UREA Update: On 10-5-17, Mario Bergeron suggested that it was time to get an update on the DEF-UREA as it has been a while and it would be good to hear how the implementation is going.

On 11-2-17, Jennifer Bastian, IDOT, provided the following update/DEF recap for inclusion in the minutes of the call:

- a) *Locomotives have been in operation in five different states and DEF supply contracts are in place*
- b) *Amtrak has established processes for DEF procurement and handling.*
- c) *Midwest fill points are currently Chicago and Milwaukee. Truck based delivery is in place. Contracts are in place. Supply is going well, no problems reported.*
- d) *WSDOT supply chain is set up and ready to run.*
- e) *Fill point is set up in Oakland for Caltrans. The contracts are in place to add another fill point in LA. Caltrans has placed a storage container at the site in Oakland, and is doing some initial research into a more permanent storage container/building.*
- f) *Plan is to gather usage data from the Chargers for next year and re-evaluate supply once we have more data.*

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

November 30, 2017

The agenda for the meeting is below:

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|---|------------------|
| 1. Roll Call | Steve Hewitt |
| 2. Review Meeting Agenda | Charles King |
| 3. Review Action Items | Steve Hewitt |
| 4. Approve Minutes from 11-16-17 | Charles King |
| 5. Update: Diesel-Electric Locomotive Procurement | Jennifer Bastian |
| 6. Update: Multi-State Rail Car Procurement | Momo Tamaoki |
| 7. Document Control Update | Tammy Krause |

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| 8. Progress Report: Electronics on Trains Working Group | Tom Sisler |
| 9. Update: TAG committee on LED Headlights | Tarek Omar |
| 10. Other issues | All |
| 11. Review this meeting: | Steve Hewitt |
| a) Decisions | |
| b) New Action Items | |

Technical Sub Committee Conference Call Meeting:
Thursday 11-30-17 / 3:00pm Eastern / 1-866-209-1307 / passcode 6486648#
Please call in a few minutes early so all is in attendance for Roll Call.
Thank you
Next Call –12-14-17 at 3:00pm Eastern