

SECTION 305 TECH SUB COMM

MINUTES

NOVEMBER 16,
2017

3:00PM EASTERN

CONFERENCE CALL

FACILITATOR	<i>Charles King, Chair, NGEN Technical Subcommittee</i>
ATTENDEES	Core Team Members: <i>Charlie King, George Hull, Jeff Gordon, Phil Meraz, Jennifer Bastian, Jennifer Bastion also as proxy for Jason Biggs, Eric Curtit, Momo Tamaoki, Allan Paul, Curtis McDowell, Tammy Krause, Michael Burshtin, Andrew Wood, Art Peterson, Melissa Shurland, Steve Hewitt, Dave "Emeritus" Warner</i> Industry Members: <i>James Coston, Dick Bruss, Bill Saddler, Donald Sandala, Rich Stegner, Bill Slater, Kevin Myles, Tom Sisler</i>
ABSENTEES	<i>George Hull, Jason Biggs, Charlie Poltenson, Marci Petterson, Jeff Schultz, Jonathan Hines, Jay Gilfillan, Devin Rouse, Charles Bielitz, Michael Coltman, Brian Marquis, Larry Salci, 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 around **240** 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 Backgrounder 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 11-15-17, the Finance and Administrative Subcommittee has begun a review of a proposed draft of the educational document. The intent is to discuss changes and potentially approve the document for submittal to the Executive Board for its consideration 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 – 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 11-15-17.

AWG Update: Melissa Shurland, FRA, had submitted the following report for inclusion in the minutes of 7-13-17: *The contract to Oregon State U to continue the accessibility research was awarded. I will be meeting with the principal investigator from OSU and Volpe today at 2PM to discuss simulation of the interior environment of a passenger in a large power-based wheeled mobility device under normal load profile and accident loadings, 8g longitudinal. We will be looking at some of the scenarios we developed for including 2 wheeled mobility devices on-board that resulted in one accessible space with limited containment. Any industry members from the TSC willing to provide support for our simulations should contact me at 202-493-1316. We hope to focus on simulation at first before going to sled tests.*

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.

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 11-15-17.

4. Approval of the Minutes from 11-2-17 – Charlie King, Amtrak:

With a quorum having been confirmed, Charlie King called for a motion to approve the minutes from the 11-2-17 conference call:

On a motion offered by Allan Paul, NCDOT, and seconded by Phil Meraz, Iowa DOT, the minutes from the 11-2-17 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:

- 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. The 238.111a testing should be able to take place on this corridor before the end of the year since UP has turned off cab signal in that territory.*
- c) *IDOT and Siemens have signed conditional and final acceptance on 29 IDOT units.*
- d) *IDOT Revenue service started 7/27/2017, with units placed in trailing position. Seven IDOT locomotives are currently running in lead position, as of tomorrow it will be 8, 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 shipped from Siemens to TTCI 11/15. Those are the last two units of the contracted build.*
- f) *Final burn-in tests for 4632 & 4633 will take place at TTCI last week of November 2017.*
- g) *Twelve IDOT locomotives are currently in Chicago. Four more are on their way from TTCI. The shipments of the next seven locomotives are planned. The remaining 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.*
- h) *All WSDOT Locomotives have been delivered and have completed pre-revenue testing and are ready for revenue service.*

- i) WSDOT has finalized their lease with Amtrak, it is currently waiting Amtrak signatures.
- j) All Caltrans Locomotives have been delivered and all are operating in lead service.
- k) The Failure Review Board has been established, with three meetings taking place so far with all JPE's, Siemens and Amtrak representatives. Bi-weekly warranty meetings are being held by Siemens.



The last two units leaving Siemens – picture provided by IDOT

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

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.

7. Document Control Update - Tammy Krause:

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

As you may remember, on the last technical subcommittee call we discussed the weight change DCR (document change request). At the end of the discussion we came up with new weights for the DCR and the DCR was accepted as amended. The TSC (tech subcommittee) voted and approved the amended DCR. The amended DCR was presented to the Executive Board on 11/7. The EB (executive board) requested that the Single Level specification review panel look at the proposed changes and verify that it meets the intention of the spec. This meeting, led by Larry Salci, met on November 7. The outcome of the meeting was that we will recommend that the EB vote to accept the amended DCR at their next meeting, which is 11/21. I will have an update on that vote at the next TSC meeting.

Steve Hewitt added that the Review panel Report and its recommendations have been sent to the Executive Board and will be on the agenda for consideration by the Board on its next call – 11-21-17.

Charlie King asked if the Technical subcommittee will be informed of the result right after the call or not until the next subcommittee meeting. Steve Hewitt responded that he will send a notification to the full NGE Technical subcommittee email list following the call.

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. *Currently reaching out to former DTL group members to ask them to join this committee. Got a few interested.*
2. *The AAR is making a presentation in our next meeting on their Ethernet solution for replacing trainlines.*
3. *Working to create text for the requirements specification.*
4. *Next meeting is Tuesday 11/21/2017 at 3 pm.*

9.**Other Issues:**

With no other issues forthcoming, Chairman King adjourned today's call at 3:15PM Eastern.

Next Call: 11-30-2017 – 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.

Update as of 11-2-17:

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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.

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AWG and RVACC Update:

AWG: Melissa Shurland, 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.

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.

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. Revisions to this document are under review by the Finance and Administrative subcommittee with expectations being that the changes will be approved by the subcommittee and submitted to the Executive Board by late October/early November. Missouri DOT graphic arts staff will be making the design revisions. The intent is to have an updated document ready for distribution by the NGEC Annual Meeting in February 2018.

As of 11-15-17, the Finance and Administrative Subcommittee has begun a review of a proposed draft of the educational document. The intent is to discuss changes and potentially approve the document for submittal to the Executive Board for its consideration on the next FASC call on 12-13-17.

The intent is to have the document printed and ready for distribution at the NGEC Annual Meeting – 2-23-18.

Maintaining Industry Participation List: Status: There are currently around **240** registered industry participants.

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

TAG committee on LED Headlights – Tarek Omar, FRA, provided a status update for distribution to members of the subcommittee.

Next update 11-30-17.

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 (11-16-17).

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.

Document Control Update as of 11-16-17:

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Steve Hewitt has submitted the Review Panel Report and its recommendations to the Executive Board and consideration of its acceptance and adoption of the DCR will be on the agenda for the Executive Board's next call – 11-21-17.

Steve Hewitt will send a notification to the full NGEC Technical subcommittee email list following the call.

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

Next update 11-30-17

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 16, 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 11-2-17 | Charles King |
| 5. Update: Diesel-Electric Locomotive Procurement | Jennifer Bastian |
| 6. Update: Multi-State Car Procurement | Momo Tamaoki |
| 7. Document Control Update | Tammy Krause |
| 8. Progress Report: Electronics on Trains Working Group | Tom Sisler |
| 9. Other issues | All |
| 10. Review this meeting: | Steve Hewitt |
| a) Decisions | |
| b) New Action Items | |

***Technical Sub Committee Conference Call Meeting:
Thursday 11-16-17 / 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 –11-30-17 at 3:00pm Eastern