

SECTION 305 TECH SUB COMM

MINUTES

SEPTEMBER 22,
2016

3:00PM EASTERN

CONFERENCE CALL

FACILITATOR	<i>Dale Engelhardt, Vice Chair, NGENC Technical Subcommittee</i>
ATTENDEES	Core Team Members: Mario Bergeron, Dale Engelhardt, Jeff Gordon, Allan Paul, Marci Petterson, Jennifer Bastian, Phil Meraz, Tammy Krause, Michael Burshtin, Jay Gilfillan, Jeff Schultz, Melissa Shurland, Steve Hewitt, Industry Members: Pat Sheeran, Jack Madden, Tom LaMano, Wulf Dickie, Richard Stegner, Kevin Myles, Matthew Spiel, Craig McKeen, Josh Coran, William Slater, Bill Saddler, Paul Jamieson, Joe DiLiello
ABSENTEES	<i>Momo Tamaoki, Jason Biggs, Charlie Poltenson, Troy Hughes, Vincent Brotski, Andrew Wood, Jonathan Hines, Art Peterson, Devin Rouse, Anand Prabhakaran, Charles Bielitz, Nico Lindenau, Curtis McDowell, Michael Coltman, Brian Marquis, Larry Salci, Shayne Gill</i>

DISCUSSION/DECISIONS MADE

1.

Vice Chairman Dale Engelhardt, Amtrak, called today's meeting to order on behalf of Chairman Bergeron, asking Steve Hewitt to call the roll. Chairman Bergeron joined the call in the beginning, but was in transit and asked Dale Engelhardt to continue to facilitate the meeting.

After calling the roll, it was determined that a quorum had been established.

Steve welcomed Joe DiLiello, VIA Rail, as a new member of the Technical subcommittee's industry participants group.

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 – Dale Engelhardt:

Dale Engelhardt 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 **259** registered industry participants.

Requesting Backgrounder educational document: The NGENC Executive Board approved the new educational/outreach document on 9-20-16. It is being finalized by Missouri DOT and will then be sent to Steve Hewitt, and AASHTO for printing and posting to the website. Steve will advise as to number of copies to be printed. Industry members requesting copies should contact Steve at shewitt109@aol.com with the number requested and an address to send them to.

Updating ECP Standards: This is an item which the Technical subcommittee is tracking – it is anticipated that status updates will take place on every other call. (ongoing)

Today (9-22-16) Paul Jamieson provided the following update for inclusion in today's minutes:

- *The interoperability test will be conducted on September 27th and 28th at NYAB – Watertown, NY. The test will demonstrate that the head end controls and car controls will operate together in a mixed train.*
- *The draft interoperability test standard was distributed to the test committee for review and usage during the test.*
- *Training materials required for Amtrak operating and maintenance personnel will have a final review on September 29th.*
- *A test committee update meeting will occur on September 29th.*

- *Modification of the cab car, coach car and locomotive are progressing to meet the October/November static and dynamic train test.*
- *APTA PRESS standards for ECP Performance and Emulation are in the public review comment period.*

AWG/RVAAC Update: On July 20th, the AWG met to discuss the draft final review of the accessible seating and restroom layouts. The feedback received were net positive. The next step is for Oregon State University to finalize the draft report for submittal to the TSC for review and comments.

OSU reached out to service providers in Alaska and Canada that operate rail equipment with "elevators". This was in response to some of the recommendations currently in the RVAAC report for elevators to move passengers to upper level. They were able to get feedback on the systems. The take-aways from those discussions are below and will be in the report. (see above)

On the 8-11-16 Tech SC call, members were asked to review the information provided and relay any questions or comments to Steve Hewitt who will forward them to Melissa Shurland. (None received)

On 8-25-16 Melissa Shurland reported that she had not received any comments either, and that once she gets the report she will send it to Steve Hewitt for dissemination to the full Technical subcommittee.

Status: Melissa Shurland, FRA, reported that they are still working on the final report and will bring it to the Technical subcommittee for review when completed.

Siemens/All Aboard Florida NGEN specification use – feedback/presentation: Mario Bergeron has asked Steve Hewitt to extend an invitation to Paul Winkler, Siemens industries to participate on the next subcommittee call (9-22-16) to give the presentation on All Aboard Florida/Siemens' feedback on the NGEN specifications provided recently to the Interiors working group of the Technical subcommittee. Steve Morrison, Siemens, will make sure Steve Hewitt has the correct contact information for Mr. Winkler. If Paul is unavailable for 9-22-16, Steve Hewitt will offer the next call (10-6-16) as an option.

Status: This presentation is tentatively planned for 10-6-16. Mr. Winkler was not available for today (9-22-16) If he is unable to present on 10-6-16, Siemens will ask the project manager to make the presentation.

4. Approve Minutes from September 8, 2016 – Dale Engelhardt:

On a motion by Allan Paul, NCDOT, and a second by Jennifer Bastian, IDOT, the Minutes from the 9-8-16 Technical subcommittee conference call meeting were approved without exception.

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

Jennifer Bastian provided the following update from IDOT for inclusion in today's minutes:

- *JPEs continue to receive Siemens' weekly revised schedule and conduct weekly conference calls. The main basis for revised weekly schedules reflects on-going testing up-dates.*
- *Testing of the first two pilot locomotives is nearly complete at TTCI. All tests have been successful so far for: Vehicle stability, high speed performance (125 mph +5), AAR Chapter XI, Road Braking, Thermal Capacity, EMI/EMC and adhesion control.*
- *The four MARC cars were used at TTCI for locomotive propulsion tests for the revenue simulation Test. Track speeds of 127 MPH have been routinely achieved, while acceleration, trip times and fuel consumption performance have been found to be a bit better than estimated.*
- *Siemens will continue to conduct some of their internal tests at TTCI are scheduled for the next two weeks or so. All contract related tests, except HEP Load Share are complete.*
- *Vehicle Qualification Testing on the North East Corridor, is now complete. All testing went well with no issues noted. During the testing, nearly 1,000 failure-free miles were accumulated on locomotive 4604.*
- *Each JPE are working out details for pre-revenue test plans, with Amtrak.*
- *All fifteen (15 ea.) DCRs have been distributed to the locomotive sub-team leaders for review.*
- *The locomotive weight was reported for locomotive # 4604, at a bit less than 267, 000 lbs (+/-). This is a little bit better than previously estimated. The calculated P2 force is within specified limits.*

Michael Burshtin, Amtrak, commented that he had heard the locomotive had reached 132 mph during testing which is the fastest ever in the U.S. Jennifer Bastian concurred and noted she had heard it reached 136. Rich Stegner confirmed it actually was 132 mph. Dale Engelhardt offered his congratulations on reaching those speeds – quite an accomplishment.

6.

Update: Bi-Level Car Procurement – Tom Peacock for Momo Tamaoki, Caltrans:

Tom Peacock provided an update based on the following report submitted by Momo Tamaoki:

- **FAIs** –We are now gearing up for the Passenger Seat/Table, Food Service FAIs. The Pre-FAI for the Passenger Seat and Table took place on 9/1. The KSU is in the process of correcting all the workmanship issues they found at the Pre- FAI to prepare for the official customer witness FAI. The drawings for food service are being submitted continuously for the SME’s review. NS also submitted an FAI plan to break up the Food Service FAI for more efficient review and approval. Amtrak Public Health group is actively assisting Caltrans in reviewing these system FAIs prior to the official FDA inspection. The sub-supplier for the ATR/UTR will be re-locating to Tennessee from New York. This will cause some delay in scheduling the ATR/UTR FAI, but will still be completed well in advance of the production.
- **Carshell** –We continue to have regular updates from NS to review the progress of the carshell re-design issues, and the schedule for the design activities. Carshell design activities are proceeding in accordance with the schedule requirements of the supplemental design review scheduled in January 2017. The last update meeting took place on September 8. The face to face pre-supplemental design review is scheduled on October 4th through 6th.
- **Testing** –The follow up seat dynamic test took place on 9/15 & 16, but have not received official results yet. We completed the Primary Energy Absorber and Fuse Testing in Japan (September 17 through 23.) Our SME reported that went very well.
- **Misc.** –The next face to face Project Management meeting between Caltrans, IDOT and NS/SCOA will take place on October 4. Also the FAI Plan audit will take place at the end of October. The Manufacturing and QA meeting is scheduled at the same time. NS will be providing one rendering of each of the CALTRANS and IDOT cars. So, as soon as we receive it, we will share with the NGENC.

7.

Document Control Update: Tammy Krause, Amtrak:

Tammy Krause provided a brief update for inclusion in today’s minutes:

Document control is in the process of compiling the C4 version of the Bi-level spec and it is signed and should be finished and available next week. I will ask Steve to send an email to everyone when it is ready. I am starting to create the Document Change Requests for the next revision of the Single level specification based upon the applicable changes from the Bi-level specification. That is all I have to report.

Dale Engelhardt, for the benefit of new members, briefly reviewed the NGENC’s DCR process as a point of information.

8.

AAR Committee update – Jeff Gordon, FRA:

Jeff Gordon, FRA, reported that the only outstanding issues for the standards committee is that of Vehicle Track Interaction (VTI). As Jeff understands it, AAR is compiling the completed items with the exception of the VTI section and will circulate for review among the committee members.

Jeff added that VTI is of critical importance, and is getting “lots of attention”, but, in order to expedite the spec standards, the aforementioned review process has been decided upon.

9.

Follow-up: TRB invite to the NGENC Technical subcommittee – Dale Engelhardt:

The Executive Board, on 9-20-16, agreed this would be a good opportunity and asked Jack Madden to work with Technical subcommittee chair Mario Bergeron to determine who would be the appropriate subcommittee representative to participate on the panel session. On today’s call, Dale Engelhardt noted that it was undecided as to who would represent the subcommittee on the panel, but likely it would be Dale or Tammy Krause.

10.

Adjourn:

With no further issues to come before the subcommittee today, Dale Engelhardt adjourned this conference call meeting at 3:27PM Eastern.

Next Call: October 6, 2016 – 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.

Today (9-22-16) Paul Jamieson provided the following update for inclusion in today's minutes:

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- *The draft interoperability test standard was distributed to the test committee for review and usage during the test.*
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- *A test committee update meeting will occur on September 29th.*
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AWG Update: On July 20th, the AWG met to discuss the draft final review of the accessible seating and restroom layouts. The feedback received were net positive. The next step is for Oregon State University to finalize the draft report for submittal to the TSC for review and comments.

OSU reached out to service providers in Alaska and Canada that operate rail equipment with "elevators". This was in response to some of the recommendations currently in the RVAAC report for elevators to move passengers to upper level. They were able to get feedback on the systems. Take aways from those discussions are below and will be in the report. (see above)

Members are asked to review this information and relay any questions or comments to Steve Hewitt who will forward them to Melissa Shurland.

Status as of 9-22-16: The final report is still being worked on. It will be shared with the Technical subcommittee as soon as it is completed.

Requesting Backgrounder educational document: The NGEN Executive Board approved the revised two-page educational document on 9-20-16. It is being finalized by MODOT graphic arts and will be ready for printing soon. Once finalized, it will be sent to Steve Hewitt and to AASHTO for printing and posting to the website. Industry members requesting copies should contact Steve at shewitt109@aol.com with the number requested and an address to send them to.

Maintaining Industry Participation List: This remains an ongoing action item. There are currently **259** registered industry participants. (Ongoing)

AAR Committee: AAR is compiling the completed items, with the exception of the VTI section, and will circulate them for review among the committee members.

Next Update: 10-20-16.

Procurement Updates: Progress reports from the lead states on the two PRIIA multi-state equipment procurements are provided on each technical subcommittee call. (ongoing)

Technical working groups Review/Update of the three PRIIA Single Level Specifications (car, trainsets, DMUs):

Tammy Krause has compiled the new lists for the Electrical Group and Digital Trainline Group. She has sent the new Interior group members to team leader Andrew Wood, and will be sending the remaining new members to the other groups this week.

All Working Group leaders are asked to provide a list of their members to Tammy Krause and Steve Hewitt for their files and for posting to the website. (ongoing)

Document Control Update: Document control is in the process of compiling the C4 version of the Bi-level spec and it is signed. It is expected to be finished and available next week. (week of 9-26-16) Tammy Krause will inform Steve Hewitt when it is finalized and he will inform Technical subcommittee members.

Tammy is starting to create the Document Change Requests for the next revision of the Single level specification based upon the applicable changes from the Bi-level specification.

(ongoing)

TRB invite to the NGENC Technical subcommittee to participate on a panel session at the TRB Annual Meeting:

The Executive Board, on 9-20-16, agreed this would be a good opportunity and asked Jack Madden to work with Technical subcommittee chair Mario Bergeron to determine who would be the appropriate subcommittee representative to participate on the panel session. On today's (9-22-16) call, Dale Engelhardt stated that a decision on who will represent the subcommittee on the panel at TRB is yet to be decided, but it will likely be Dale or Tammy Krause.

Siemens/All Aboard Florida NGENC specification use – feedback/presentation: Mario Bergeron has asked Steve Hewitt to extend an invitation to Paul Winkler, Siemens industries to participate on the next subcommittee call (9-22-16) to give the presentation on All Aboard Florida/Siemens' feedback on the NGENC specifications provided recently to the Interiors working group of the Technical subcommittee. Steve Morrison, Siemens, will make sure Steve Hewitt has the correct contact information for Mr. Winkler. If Paul is unavailable for 9-22-16, Steve Hewitt will offer the next call (10-6-16) as an option.

This presentation is tentatively planned for 10-6-16. Mr. Winkler was not available for today (9-22-16) If he is unable to present on 10-6-16, Siemens will ask the project manager to make the presentation.

ATTACHMENTS



PRIIA Section 305 Tech Sub Committee Meeting

September 22, 2016

The agenda for the meeting is below:

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| 1. Roll Call | Steve Hewitt |
| 2. Review meeting agenda | Mario Bergeron |
| 3. Review Action Items | Steve Hewitt |
| 4. Approve Minutes of 9-8-16 | Dale Engelhardt |
| 5. Update: Diesel-Electric Procurement | Jennifer Bastian |
| 6. Update: Bi-level Procurement | Tom Peacock |

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| 7. Document Control Update | Tammy Krause |
| 8. AAR Committee Update | Jeff Gordon |
| 9. Follow up: TRB invite to the NGENC Technical subcommittee | Dale Engelhardt |
| 10. Other Issues | All |
| 11. Review this meeting: | Steve Hewitt |
| a) Decisions | |
| b) New Action Items | |

***Technical Sub Committee Conference Call Meeting:
Thursday 9-22-2016 / 3:00 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 –10-6-16 at 3:00pm Eastern***