

# SECTION 305 TECH SUB COMM

MINUTES

AUGUST 25, 2016 3:00PM EASTERN

CONFERENCE CALL

<b>FACILITATOR</b>	<i>Dale Engelhardt, Vice Chair, NGENC Technical Subcommittee</i>
<b>ATTENDEES</b>	<b>Core Team Members:</b> Dale Engelhardt, Jeff Gordon, Momo Tamaoki, Allan Paul, Jeff Schultz for Marci Petterson, Jennifer Bastian, Phil Meraz, Troy Hughes, Jason Biggs, Tammy Krause, Michael Burshtin, Andrew Wood, Jay Gilfillan, Melissa Shurland, Curtis McDowell, Art Peterson, Larry Salci, Steve Hewitt, <b>Industry Members:</b> Wulf Dickie, James Michel, Paul Jamieson, Mathew Spiel, Tom Hunt, Pat Sheeran, Steve Morrison, Kevin Myles, Fran Nelson, Jack Madden, Al Bieber
<b>ABSENTEES</b>	<i>Mario Bergeron, Marci Petterson, Charlie Poltenson, Vincent Brotski, Jonathan Hines, Devin Rouse, Anand Prabhakaran, Charles Bielitz, Nico Lindenau, Sal DeAngelo, Michael Coltman, Brian Marquis, Shayne Gill</i>

## DISCUSSION/DECISIONS MADE

**1.**

In the absence of Chairman Bergeron, Vice Chair Dale Engelhardt, Amtrak, called today's meeting to order, asking Steve Hewitt to call the roll.

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

**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 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 **258** registered industry participants.

**Requesting Backgrounder educational document:** The NGENC Executive Board has requested two pictures of the new Charger locomotive be included in the two pager (one on each page) before approving it for publication. Siemens has taken photos, NGENC Chairman, has had Mo DOT graphics artists add them to the DRAFT document for Executive Board consideration on its next call which is scheduled for 8-30-16. (ongoing)

**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. (ongoing)

There is no update for today (8-25-16)

**AWG/RVAAC Update:** On July 20<sup>th</sup>, 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)

Today, (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.

**4. Approve Minutes from August 11, 2016 – Dale Engelhardt:**

On a motion by Jennifer Bastian, IDOT, and a second by Jason Biggs, WSDOT, the Minutes from the 8-11-16 Technical subcommittee conference call meeting were approved without exception.

**5. Update: Diesel-electric Locomotive Procurement – Jennifer Bastian for 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.*
- *The first two pilot locomotives were tested at TTCI, with instrumented wheel sets, for vehicle/track dynamic interaction. The tests were concluded with successful results.*
- *The locomotives were also tested for AAR Chapter XI track interaction protocol, also using the instrumented wheel sets. The tests were concluded with successful results.*
- *The four MARC cars have arrived at TTCI for locomotive propulsion tests. Initial tests up to 130 mph have been successfully completed.*
- *Road Braking tests have been successfully completed at TTCI.*
- *The EMC/EMI tests are now being conducted and are going well.*
- *Locomotive propulsion tests are now also underway at TTCI with good results. 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.*
- *The test plan for 125 mph testing on the North East Corridor was approved by FRA, as submitted by (Maryland MARC Train Service) MARC. MARC/Amtrak are reported processing the test agreement.*
- *Siemens shipped locomotive #4 to Baltimore on Friday 8/5. The locomotive and the instrumented wheel sets are now in Baltimore and testing is set to begin on 9/9.*
- *Each JPE is 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.*

Jeff Schultz asked if Jennifer knew what the Cant deficiency for the Charger is?

Paul Jamieson responded that the maximum Cant deficiency for testing is 6 inches.

Dale Engelhardt asked what the wheel profile is?

Jennifer Bastian responded that they have met the Amtrak request.

Paul Jamieson responded that APTA 340 has been requested and met.

**6. Update: Bi-Level Car Procurement – Momo Tamaoki, Caltrans:**

Momo Tamaoki provided the following update on the Bi-Level car procurement for inclusion in today's minutes:

- **FAIs** –*We are now gearing up for the remaining FAIs – Passenger Seat/Table, Food Service, and ATR/UTR. The FAI package for the seat/table was submitted for the customer team's review on July 25, and drawings for food service and ATR/UTR are being submitted continuously for the SME's review. All FAIs are anticipated to take place in fall and winter of 2016. The vendor submitted an FAI plan to break up the Food Service FAI for more efficient review and approval. Amtrak Public Health group is also assisting Caltrans in reviewing these system FAIs prior to the FDA inspection.*
- **Carshell** –*We continue to have regular updates from NS to review the progress of the design issues and the schedule for the design activities. The last update meeting was July 25, Monday. Carshell design activities are now proceeding in accordance with the schedule requirements of the supplemental design review in 2017. NS presented an approach to fatigue that our SMEs stated seemed to be in the right direction, but example*

calculations are still required. The next update meeting will be held on September 8.

- **Testing** –The seat/table dynamic tests took place on June 30 & July 1. While some tests were successfully completed, there are still a few open items that need to be discussed and worked out. We are hoping to resolve all issues by fall. The follow up seat dynamic test will take on 9/15 & 16. All other seat and table follow up tests will take place after all the remaining open items are closed. The next big tests are the Primary Energy Absorber and Fuse Testing in Japan on September 17 through 23.
- **Misc.** –The next face to face Project Management meeting between Caltrans, IDOT and NS/SCOA will take place in the week of October 5. Also the FAI Plan audit will take place on 10/5. The Manufacturing and QA meeting is scheduled in Rochelle on 10/6.

**7.**

**Document Control Update: Tammy Krause, Amtrak:**

Tammy Krause provided the following report for inclusion in today's minutes:

*I have compiled the new lists for the Electrical Group and Digital Trainline Group. I have sent the new interior group members to Andrew Wood. I will be sending the remaining new members to the other groups this week. I would request that the Working Group leaders send me copies of their members.*

Steve Hewitt asked that the working group leaders cc him when they provide the list of the members in their working groups to Tammy Krause.

**8.**

**AAR Committee Update – Jeff Gordon, FRA:**

Jeff Gordon reported that the most outstanding issues remaining to be resolved have to do with those related to VTI especially with regard to whether or not the requirements in AAR Chapter 11 will be applicable to passenger rail.

Brian Marquis, Volpe, and Nick Wilson, for AAR, are the leads for this effort. They met in Pueblo this past week, and pending a report back to the AAR committee lead – Dave Calcovic – a meeting will be called to discuss their recommendations.

Dale Engelhardt asked if the committee recommendations will have an impact on the new Charger locomotives, Jeff responded that it was long ago decided that anything the committee developed would not be retroactively applied.

**9.**

**Other Issues/Adjourn:**

Dale asked that he and Mario be given a heads up on any potential new procurements that may be forthcoming.

Allan Paul, NCDOT, asked Dale if Amtrak is planning an order for the Charger locomotive for long distance trains.

Dale replied that, at this time, although it has been discussed, there is no purchase order in the works.

**10.**

**Adjourn:**

With no further issues to come before the subcommittee today, Dale Engelhardt adjourned this conference call meeting at 3:20PM Eastern.

**Next Call: September 8, 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. (ongoing)

**AWG Update:** On July 20<sup>th</sup>, 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.

Today, (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.

(Ongoing)

**Requesting Backgrounder educational document:** The NGECE Executive Board has requested two pictures of the new Charger locomotive be included in the two pager (one on each page) before approving it for publication. Siemens has taken photos, NGECE Chairman, has had Mo DOT graphics artists add them to the DRAFT document for Executive Board consideration on its next call which is scheduled for 8-30-16.

**Maintaining Industry Participation List:** This remains an ongoing action item. There are currently **258** registered industry participants. (Ongoing)

**AAR Committee:** Progress has been made on the most outstanding issues remaining to be resolved – those having to do with VTI - especially with regard to whether or not the requirements in AAR Chapter 11 will be applicable to passenger rail.

Brian Marquis, Volpe and Nick Wilson, for AAR, are the leads on this issue. They met in Pueblo this past week, and pending a report back to the AAR committee lead – Dave Calcovic – a meeting will be called to discuss their recommendations.

Next Update: 9-22-16.

**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.

**Document Control Update:** C.4 version of the Bi-Level Specification was approved by the Executive Board. As soon as Tammy gets the cover sheets signed and the revision history updated, it will be sent to the website.

The document change requests for the Diesel-electric locomotive have been sent to the proper sub groups by Richard Stegner for approval.

No update was provided on these items today (8-25-16).

**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**

**August 25, 2016**

The agenda for the meeting is below:

- |  |                  |
|--|------------------|
| 1. Roll Call                           | Steve Hewitt     |
| 2. Review meeting agenda               | Dale Engelhardt  |
| 3. Review Action Items                 | Steve Hewitt     |
| 4. Approve Minutes of 8-11-16          | Dale Engelhardt  |
| 5. Update: Diesel-Electric Procurement | Jennifer Bastian |
| 6. Update: Bi-level Procurement        | Momo Tamaoki     |
| 7. Document Control Update             | Tammy Krause     |
| 8. AAR Committee Update                | Jeff Gordon      |
| 9. Other Issues                        | All              |
| 10. Review this meeting:               | Steve Hewitt     |
| a) Decisions                           |                  |
| b) New Action Items                    |                  |

***Technical Sub Committee Conference Call Meeting:  
Thursday 8-25-2016 / 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 -9-8-16 at 3:00pm Eastern***