

SECTION 305 TECH SUB COMM

MINUTES

JUNE 1, 2017

3:00PM EASTERN

CONFERENCE CALL

FACILITATOR	<i>Mario Bergeron, Chair, NGENC Technical Subcommittee</i>
ATTENDEES	Core Team Members: Mario Bergeron, Jeff Gordon, Allan Paul, Jennifer Bastian, Jennifer Bastian also as proxy for Eric Curtit, Phil Meraz, Jason Biggs Jeff Schultz, Tammy Krause, Larry Salci, Steve Hewitt, Industry Members: Jack Madden, Rich Stegner, Steve Morrison, Tom Hunt, Josh Coran, James Michel, Kevin Myles, Martin Bloedt, Dick Bruss, Tom LaMano, William Slater
ABSENTEES	<i>Dale Engelhardt, Momo Tamaoki, Charlie Poltenson, Marci Petterson, Eric Curtit, Jason Biggs, Melissa Shurland, Michael Burshtin, Andrew wood, Jonathan Hines, Jay Gilfillan, Art Peterson, Devin Rouse, Anand Prabhakaran, Charles Bielitz, Michael Coltman, Brian Marquis</i>

DISCUSSION/DECISIONS MADE

1.

Chairman Bergeron, 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:

Mario Bergeron 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 **240** registered industry participants. Steve 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. Along with the agenda for this call, Steve Hewitt distributed the most recent list of industry participants and requests any edits/updates/changes be sent to him.

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.

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)

Bi-Level Car Procurement: As Caltrans and IDOT are working out some contract issues with the contractor there will be nothing to report for now. As this is expected to be the status for a while, on 1-12-17 Chairman Bergeron asked that this item be removed from the bi-weekly agenda until such time that Caltrans feels that it has an update to provide to the subcommittee. Momo Tamaoki, Caltrans, will contact Steve Hewitt and the Chair when there will be something to report and an agenda item will be added to the subsequent conference call.

On 5-4-17, Responding to an inquiry from Dick Bruss, Jennifer Bastian, IDOT, stated that discussions are ongoing – and there may be something more to report in the next month or so.

AWG Update: On 5-18-17, Melissa Shurland reported that the contract between FRA and the University is now out of FRA and is with OSU. Melissa will apprise the subcommittee when the contract has been executed.

As of today, 6-1-17, Melissa is still waiting for the execution of the contract .

AAR Committee: Ongoing – next update 6-15-17

**4.
Approval of the Minutes from 5-18-17 – Mario Bergeron:**

With a quorum having been confirmed, Mario Bergeron called for a motion to approve the minutes from the 5-18-17 conference call:

On a motion offered by Jennifer Bastian, IDOT, and seconded by Jeff Schultz for Connecticut DOT, the minutes from the 5-18-17 conference call were approved as presented.

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

Chairman Bergeron congratulated Jennifer Bastian, IDOT and all of those involved in successfully introducing into service the first "Charger" Locomotive on May 25, 2017. Mario extended his appreciation to all the states involved, FRA, Amtrak and the industry who have worked together to accomplish this key milestone. Mario noted that there have been countless hours put into this effort by all the teams involved, and this hard work cannot be undervalued.

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

- a) *JPEs continue to work with Siemens on schedule and conduct bi-weekly conference calls.*
- b) *JPE's and Amtrak have signed agreements for storage, testing and commissioning the locomotives.*
- c) *Six Caltrans units have been delivered to Oakland. They have completed all testing, are conditionally accepted, and are in revenue service.*
- d) *IDOT and Siemens have signed conditional acceptance on IDOT units: 4603- 4611. These units have also completed the 500 mile burn in. IDOT 4612 & 4613 will be shipping from Sacramento to TTCI in Pueblo on 6/2.*
- e) *IDOT Locomotives 4604 and 4611 are in Chicago and completed the testing on the applicable Midwest corridors yesterday. Track Geometry testing was done on all corridors. The 238.111a testing on the Michigan and Chicago to St. Louis corridors will be run at a later date due to PTC equipment and software needs.*
- f) *All eight WSDOT Locomotives have completed burn in testing. WSDOT units 1400, 1402, 1403 & 1404 are in Seattle. 1400 & 1403 have undergone receiving inspections, and title transfer to WSDOT has occurred on unit 1403. 1402 & 1404 are scheduled for receiving inspections this week. 1406 & 1407 are in transit from TTCI to Seattle. 1401 & 1405 are at TTCI awaiting shipment to Seattle.*
- g) *The WSDOT 213.345 test report has been submitted by Amtrak to the FRA. WSDOT is waiting a letter from BNSF before this item can be closed out. BNSF will deliver the letter tomorrow – 6-2-17.*
- h) *WSDOT and IDOT continue to meet with Amtrak to finalize their respective leases. Both are working through a small number of remaining issues.*
- i) *Siemens warranty service locations are now established at the JPE's.*
- j) *Wi-Tronix application, as required by Amtrak is being applied by FMI. Equipment has been installed on all units. Wi-Tronix has completed the software update. Siemens is working with them on a software download plan. The units can go into revenue service only trailing units until this software is installed.*
- k) *All locomotive Document Change Requests (DCR) for the PRIIA specification have been processed to conform the technical specification for as-built configuration.*

Jennifer, in concluding her report, echoed Chairman Bergeron sentiments and thanked all those on the call and involved for their help in making this achievement possible.

**6.
Document Control Update –Tammy Krause:**

Tammy Krause informed the mebers that there was nothing new to report today on Document Control.

**7.
Progress Report – The Future of Electronics on Trains Working Group – Dale Engelhardt:**

Dale Engelhardt was unavailable for the call today, but Jack Madden, a member of the task force, provided an update of its activities.

The task force met for the second time on 5-23-17, and will meet again on 6-6-17 at 3:00PM Eastern.

Anyone interested in joining the task force should contact Dale Engelhardt and/or join the next call. The call information is:

1 866 209-1307 access code: 4187876

On the call on 5-23-17, there were 5 or 6 members in attendance.

The group agreed to the outline of a mission that Dale had provided for review and comment.

Several members committed to reaching out to vendors to request that they make a presentation to the task force on On Board Information for passengers.

With Dale retiring from Amtrak at the end of June, he has been looking for an active industry member to take over as chair of the task force. One or two have expressed interest, and it is hoped that by the next call a decision will be made as to who will chair the task force going forward.

Note:

Following the subcommittee call today, Dale DEngelhardt sent the following update and asked Steve Hewitt to include it in today's minutes:

We held the second meeting on May 23rd - only 5 attended. The scope statement presented at the last meeting was accepted without revision. Revised notification to members from an email, to an electronic calendar notification in Outlook. Requested that each member attempt to find an expert in the electronics field to present short presentations at next meeting to improve volunteers' knowledge base. To date I have received numerous confirmations about attending the meeting, but only 1 expert scheduled to make presentation so far. Team agreed on utilizing a DTL (hardwire solution) to communicate between cars rather than a wireless solution. So far no one has accepted the position to replace me as leader of this group.

Dale

8.

Other Issues:

Due to the retirement party being held in Wilmington on June 15th – the Technical subcommittee call for that day is canceled. The subcommittee will next meet on 6-29-17.

Adjourn:

With no further issues to come before the subcommittee today, Mario Bergeron adjourned this conference call meeting at 3:22 PM Eastern.

Next Call: June 29, 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. **No update today (5-18-17)**

Status report as of 5-4-17:

As of April 5, 2017, the train has completed 127,794 miles in ECP operation and a total on 1,571,097 miles in Emulation operation for a grand total of 1,698,891 miles of ECP and Emulation operation. During March one of the ECP control valves experienced a failure due to contamination. A failure analysis was conducted, corrective action has been taken and implemented.

During train operations, the turnaround procedure used in commuter operations has been identified as an area of improvement. That is, when the train crew wants to change to the cab at the opposite end of the train, the time

required to re-establish control at the opposite end must be shortened while maintaining safety. This improvement will be discussed and implemented in the next standard revision.

The technical working group is currently preparing recommendations for incorporation of the Passenger ECP Brake System into the CFR which will be presented through the FRA Rail Safety Advisory Committee Engineering Task Force.

APTA PR-M-S-020-16 Emulation Performance Requirements and APRA PR-M-S-021-16 ECP Performance Requirements respectively have been approved for publication. These standards should be available on the APTA Standards website during the week of May 8, 2017.

<http://www.apta.com/resources/standards/press/Pages/default.aspx>

AWG Update: Melissa Shurland reported that she did not have anything new to report as she is waiting for the contract with OSU to be awarded to begin developing a plan. Once awarded, Melissa will report back.

Status: (6-1-17) Melissa Shurland informed Steve Hewitt that the contract between FRA and the University is still pending. Melissa will apprise the subcommittee when the contract has been executed.

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.

Maintaining Industry Participation List: There are currently about **240** registered industry participants. Steve has updated the industry list with the information at hand, but continues to seek input from members to let him know of any additional updates or changes they may be aware of.

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

Next Update: 6-29-17

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 4 above for today's update (6-1-17). (ongoing)

Bi-Level Car Procurement: As Caltrans and IDOT are working out some contract issues with the contractor there will be nothing to report for now. As this is expected to be the status for a while, on 1-12-17 Chairman Bergeron asked that this item be removed from the bi-weekly agenda until such time that Caltrans feels that it has an update to provide to the subcommittee. Momo Tamaoki, Caltrans, will contact Steve Hewitt and the Chair when there will be something to report and an agenda item will be added to the subsequent conference call.

On 5-4-17, Responding to an inquiry from Dick Bruss, Jennifer Bastian, IDOT, stated that discussions are ongoing – and there may be something more to report in the next month or so.

Document Control Update as of 5-18-17:

The update of the single level specification is temporarily on hold. Rich Stegner will lead an internal team to evaluate various existing equipment specifications, including the PRIIA Bi-level, and will be creating the DCRs to update the specification. As the full scope of the project develops we may reach out for PRIIA volunteers. All the DCRs created will be processed through the technical working groups per NGEC procedures. The approved DCRs will be incorporated into the next version of the single level. We will have a revised timeline after the full scope of work is determined. This will be before the end of June.

On 6-1-17 there was nothing new to report.

Future of Electronics on Trains Working Group: On 5-4-17, Chairman Bergeron formally established the working group to look at the future of electronics on trains. Mario asked Dale Engelhardt to take the lead in organizing the task force and establishing a scope and a call schedule.

The first call was held on 5-8-17. Calls will take place every two weeks.

The second call took place on 5-23-17. Next call: 6-6-17 at 3:00PM Eastern. The call-in information is:

1 866 209-1307 access code: 4187876

Anyone wishing to participate in the work of the task force feel free to join the next call.

Volunteers to date (as of 5-18-17):

Dale Engelhardt – Amtrak – engelhd@amtrak.com
David Yogev – Oran Safety Glass – david@oran.co.il
Dick Bruss – NARP – rjembruss@gmail.com
Tom Sisler – thomas.sisler@snclavalin.com
Robert Dyk – Robert.dyk@snclavalin.com
Matthew Ercolino – matthew.ercolino@snclavalin.com
Robert Fauvelle – robert.fauvelle@snclavalin.com
Victor Kelley – victor.kelley@snclavalin.com
Jack Madden – jmadden2217@gmail.com
Steve Morrison, Siemens – steven.morrison@siemens.com
Alex Thomson, Siemen – alex.thomson@siemens.com

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

June 1, 2017

The agenda for the meeting is below:

- | | |
|---|------------------|
| 1. Roll Call | Steve Hewitt |
| 2. Review meeting agenda | Mario Bergeron |
| 3. Review Action Items | Steve Hewitt |
| 4. Approve Minutes from 5-18-17 | Mario Bergeron |
| 5. Update: Diesel-Electric Locomotive Procurement | Jennifer Bastian |
| 6. Document Control Update | Tammy Krause |
| 7. Progress Report: Future of Electronics on Trains Working Group | Dale Engelhardt |
| 8. Other issues | All |
| 9. Review this meeting: | Steve Hewitt |
| a) Decisions | |
| b) New Action Items | |

Technical Sub Committee Conference Call Meeting:
Thursday 6-1-17 / 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 -6-29-17 at 3:00pm Eastern