

SECTION 305 TECH SUB COMM

MINUTES

JUNE 30, 2016

3:00PM EASTERN

CONFERENCE CALL

FACILITATOR	<i>Mario Bergeron, Chair, NGENC Technical Subcommittee</i>
ATTENDEES	Core Team Members: Mario Bergeron, Dale Engelhardt, Jeff Gordon, Momo Tamaoki, Allan Paul, Marci Petterson, Rich Stegner for Jennifer Bastian, Phil Meraz, Troy Hughes, Jason Biggs, Tammy Krause, Michael Burshtin, Andrew Wood, Jeff Schultz, Art Peterson, Curtis McDowell, Steve Hewitt, Industry Members: Bill Saddler, Paul Jamieson, Al Bieber, Eric Wilde, Pat Sheeran, Glen Rees, Kevin Myles, William Slater, Martin Bloedt, Wulf Dickie, Rich Stegner, Fran Nelson, Antony Jones, Mathew Speil, Jack Madden, Richard Curtis, Roman Porta
ABSENTEES	<i>Jennifer Bastian, Charlie Poltenson, Vincent Brotski, Jay Gilfillan, Jonathan Hines, Melissa Shurland, Devin Rouse, Anand Prabhakaran, Charles Bielitz, Nico Lindenau, Sal DeAngelo, Michael Coltman, Brian Marquis, Larry Salci, Shayne Gill,</i>

DISCUSSION/DECISIONS MADE

1.

Chairman Mario Bergeron, Amtrak, called today's meeting to order, asking Steve Hewitt to call the roll.

After calling the roll, Steve confirmed the presence of a quorum.

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:

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 **258** registered industry participants.

Requesting Backgrounder educational document: The NGENC Executive Board has approved final changes to a new "two-pager" education and outreach document. MO DOT is finalizing with the recommended changes, and once completed, it will be printed by AASHTO and made available to all members.

Status: No change from the last report.

AWG Update: As of 4-7-16, work was progressing and outreach had been made to the FRA Office of Safety with regard to containment and possible testing. An AWG meeting will be arranged in the near future to discuss this and other issues. On 5-19-16, Melissa Shurland reported that she is working with Amtrak on finalizing the layouts and anticipates having an AWG web-conference call in early June.

Status: Nothing new to report today.

RVAAC Update: RVAAC presented its recommendations for improved access on rail vehicles to the Access Board on July 29, 2015. Melissa will keep the Tech SC apprised as deliberations conclude. There is a backlog in rulemaking projects, and so it was not decided how and when to proceed with those recommendations. Anyone who would like the link to the RVAAC report should contact Melissa Shurland, at Melissa.shurland@dot.gov.

Status: Nothing new to report for today.

Review/approval of summary of changes – Bi-Level car C.4 – The subcommittee approved the Bi-Level Car Specification Revision C.4 on 5-19-16.

Status: The Review Panel has been formally re-convened by the Executive Board. Larry Salci is completing his review and will prepare a report with recommendations for the Panel to consider. Once the Panel has met and approved the report with recommendations, it will be submitted to the Executive Board for its consideration.

No change from the last update.

AAR Committee Update – next update due 7-14-16.

4. Approve Minutes from June 16, 2016 – Mario Bergeron:

On a motion by NCDOT, and a second by Iowa DOT, the Minutes from the 6-16-16 Technical subcommittee conference call meeting were approved without exception.

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

Richard Stegner provided the following update on behalf of IDOT for inclusion in today's minutes:

- *JPEs received Siemens' revised schedule and conduct weekly conference calls. Siemens has been requested to provide a recovery plan for slips in the delivery schedule of the WSDOT and IDOT locomotives. The overall schedule for delivery of the last locomotive is still within the ARRA funding window.*
- *All of the supplier's factory FAIs are complete. The remaining FAIs were conducted June 7-9 at Siemens' factory. The FAI for the first complete locomotive is complete with follow-up action items. The FRA sample car inspection was also conducted, with a few labeling items for correction and one step rung to adjust.*
- *The first two pilot locomotives are being shipped to TTCI by Amtrak.*
- *The next QA meeting will be July 6.*
- *The Tier-4 Certificate has been received by Siemens/Cummins for the diesel engine. Load testing for the engine continues for each locomotive, at Siemens factory.*
- *IDOT has added a third in-plant QA inspector to cover inspections for our option locomotives.*
- *All fifteen (15 ea) DCRs have been sent to Tammy Krause, for processing by NGEC. The locomotive working group is being re-established for do the reviews.*
- *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 need to process the test agreement.*
- *Each JPE are working out details for pre-revenue test plans, with Amtrak.*
- *Follow up Technical Advisory Groups (TAG) continue working on an on-going basis for the action items from the AAR Standard vehicle qualification testing and acceptance. AAR's David Cackovic is the facilitator.*
- *The locomotive weight was reported in May 2016, at 271,500 lbs (+/-). Based on actual component weights, the locomotive weight has varied little in the last six months. The calculated P2 force is within specified limits. We are advised that the first scale-weight for a completed locomotive is trending less than the calculated weight. We will likely have the actual weight in the next few weeks, however things still look good.*

Mario Bergeron thanked Richard for the detailed report and commented on the importance of the recovery schedule stating that setting the schedule measures the performance and program activities against it. He added that it is also important "not to lose sight of quality to the detriment of production..." Making sure that the product is of high quality is "time well spent" with an acknowledgment of the constraints that are presented by funding timelines with ARRA etc.

6. Update: DEF Working Group – Richard Stegner for Jennifer Bastian:

No meeting since our last NGEC report out. Next meeting July 11th.

Richard also noted that the progress of the working group is "good". There have been "no snags". Richard added that there has been good cooperation among Amtrak, IDOT, and the manufacturers – very good information flow.

7.

Update: Bi-Level Car Procurement – Steve Hewitt for Momo Tamaoki, Caltrans:

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

- *FAIs –The next upcoming FAI is the follow up FAI for Truck Assembly on July 12. We are reviewing the drawings and getting ready for the FAI.*
 - *Carshell –Nippon Sharyo is making progress in Carshell re-design. Monthly meetings are being held to keep track of their progress. We have completed the review and approval of stress analysis and test plan, CEM collision and Survivability Plan, and are making progress in the review of Finite Element Model Analysis and Primary Energy Absorber Test Procedures.*
 - *Testing –The seat dynamic test is scheduled for today and tomorrow. As for the Side door endurance test, as of last week, The Endurance rig is now cycling at 86Vdc. Cycling is good. Cycling count is at 316,862 cycles. No issues have been reported since restarting the test.*
 - *Misc. – Program Management Audit, QA and Manufacturing Readiness Meetings are scheduled for July 13 & 14 in Rochelle.*

8.

Document Control Update: Tammy Krause:

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

"I have prepared, and Steve Hewitt has sent out the request to everyone (on the 305 email list) to join the working groups, if they aren't already involved. The groups are; Mechanical – Jeff Gordon (FRA), Electrical – Myself (Amtrak), Vehicle Track Interaction (VTI) – Brian Marquis (Volpe), Interiors – Andrew Wood (Amtrak), Structural – Anand Prabhakaran (Sharma & Assoc), Locomotives – Richard Stegner (SNC Lavalin), Diesel Exhaust Fluid (DEF) – Jennifer Bastian (Illinois), Accessibility – Melissa Shurland (FRA) and Digital Train Line (DTL) – Myself (Amtrak). If you have any interest, please send me an email and I will forward it to the correct person. If you are already in a group, you don't need to respond.

Steve Hewitt added that he did send out the invite notice and will reprint it within the minutes from today's meeting.

The invitation is re-printed below:

All,

One of the main functions of the PRIIA 305 Technical Subcommittee is to create specifications that can be used to procure passenger railroad rolling stock. The Charger locomotive and the Bi-Level procurement are good examples of this. In addition to these specifications, we have created other specifications that are referenced by these specs, such as Digital Train Line and Operating Environmental Conditions. There are currently nine Working Groups that support these efforts for the Technical Subcommittee.

- 1. Structural*
- 2. Mechanical*
- 3. Electrical*
- 4. Interiors*
- 5. Vehicle Track Interaction*
- 6. Locomotives*
- 7. Accessibility*
- 8. Digital Train Line*
- 9. Diesel Exhaust Fluid*

I would like to ask that anyone who is interested in joining one of these groups please send me an email and I will add you to the group requested. Current group members do not need to reply unless they would like to change groups or join an additional group.

*Thanks,
Tammy*

Status Update: Review of Diesel-Electric Locomotive specification DCRs:

Tammy reported that the Diesel-electric Locomotive DCRS are now in the hands of Locomotive working group chair,

Rich Stegner, per the NGEN process.

9.

Presentation: ECP Standard Development and Testing Update – Paul Jamieson:

Paul Jamieson, SNC – Lavalin Rail provided a presentation entitled: "ECP Standard Development and Testing Update – One Step Closer to Reality"

The presentation was originally given during the recent APTA conference and reflects the status of the project that initially began with the NGEN.

The presentation has been distributed to all Technical subcommittee and industry members, and will be sent again along with today's minutes.

At the conclusion of the presentation, Mario Bergeron thanked Paul for what was a "good and informative" presentation "that brings perspective and the timeline of where we are at now."

Asked about testing of EMI or EMC, Paul commented test were already performed, and, for this project, "FRA has not asked us to perform any tests". He added, "there are no anticipated issues with either".

Mario asked about the changes as they relate to the current PRIIA/NGEN procurements that are underway.

Paul noted that there will be recommendations for future procurements to better define what should occur to be ECP ready, but not for these ongoing procurements. In fact, "we will provide recommended updates for all NGEN specs once the dynamic testing is complete".

Paul went on to express his thanks to the entire Amtrak team – "they have been great and very supportive of the program."

10.

Other Issues/Adjourn:

With no other issues to come before the subcommittee today, Mario Bergeron adjourned today's conference call meeting at 3:47PM Eastern.

Next Call: July 14, 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)

Paul Jamieson walked through the ECP Update presentation previously given during the APTA conference on 6-20-16.

AWG Update: Melissa Shurland reported that she is working with Amtrak on finalizing the layouts and anticipates having an AWG web-conference call in early June. (ongoing)

RVAAC Update: RVAAC presented its recommendations for improved access on rail vehicles to the Access Board on July 29, 2015. Melissa will keep the Tech SC apprised as deliberations conclude. There is a backlog in rulemaking projects, and so it was not decided how and when to proceed with those recommendations. Anyone who would like the link to the RVAAC report should contact Melissa Shurland, at Melissa.shurland@dot.gov.

Requesting Background educational document: The Executive Board is currently finalizing a new "two-pager" education and outreach document. Once approved, it will be printed by AASHTO and made available to all members. (ongoing)

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

DEF Working Group: Progress continues and regular bi-weekly updates are provided to the subcommittee. (Ongoing)

AAR Committee: The committee has been reactivated and three of the 7 sub-groups (Loss of Shunt, VTI and Interoperability) met on 5-27-16 for a 3-hour call. Brief details are described in the minutes of today's call.

The next update is due: 7-14-16. (Ongoing)

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

Review/approval of summary of changes – Bi-Level car C.4 – The Review Panel has been re-convened. Larry Salci is completing his review and preparing a report with recommendations for the Panel to consider. Once the Panel has met and approved the report with recommendations, it will be submitted to the Executive Board for its consideration. (ongoing)

Technical working groups Review/Update of the three PRIIA Single Level Specifications (car, trainsets, DMUs): On 6-16-16 Mario Bergeron directed the technical working groups to organize to begin a review/update of the aforementioned specifications once the Bi-Level Car Specification Revision C.4 has been formally adopted. The working groups will review the Bi-Level changes as applicable to the single level specs and also look at other proposed DCRs for inclusion in updated specification revisions.

Tammy Krause has reached out to working group team leaders to re-affirm their continued interest in staying on as team leaders. All have agreed to stay on.

The team leaders will do outreach to the members of their respective working groups to ascertain their continued involvement.

Tammy Krause has prepared a description of the technical working groups and an invitation to all technical subcommittee members and industry participants to join the teams. Steve Hewitt has disseminated the description and invite to all members of the Technical subcommittee and industry participants encouraging their involvement.

ATTACHMENTS



The NGEC will provide national leadership in standardization, acquisition, financing and management of passenger rail equipment.

PRIIA Section 305 Tech Sub Committee Meeting

June 30, 2016

The agenda for the meeting is below:

1. Roll Call Steve Hewitt
2. Review meeting agenda Mario Bergeron

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| 3. Review Action Items | Steve Hewitt |
| 4. Approve Minutes of June 16, 2016 | Mario Bergeron |
| 5. Update: Diesel-Electric Procurement | Richard Stegner |
| 6. Update: DEF Working Group | Richard Stegner |
| 7. Update: Bi-level Procurement | Momo Tamaoki |
| 8. Document Control Update | Tammy Krause |
| a. Status – verifying/confirming team leaders for review of PRIIA specs (DMUS, Single Level cars, Trainsets) | |
| b. Status -Team Leaders outreach to members of their respective working groups | |
| c. Status -Invitation to all industry members to participate on technical working groups | |
| d. Status Update: Review of Diesel-Electric Locomotive specification DCRs | |
| 9. Presentation: ECP Standard Development and Testing Update | Paul Jamieson |
| 10. Other Issues | All |
| 11. Review this meeting: | Steve Hewitt |
| a) Decisions | |
| b) New Action Items | |

***Technical Sub Committee Conference Call Meeting:
Thursday 6-30- 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 – 7-14-16 at 3:00pm Eastern***