

SECTION 305 TECH SUB COMM

MINUTES

OCTOBER 8 2015 3:00PM EASTERN

CONFERENCE CALL

FACILITATOR	<i>Dale Engelhardt, Vice Chair, NGENC Technical Subcommittee</i>
ATTENDEES	Core Team Members: Dale Engelhardt, Jeff Gordon, Rob Edgcumbe for Momoko Tamaoki, Allan Paul, Jack Madden, Marci Petterson, Jennifer Bastian, Phil Meraz, Jason Biggs, Tammy Krause, Michael Burshtin, Andrew Wood, Art Peterson, Melissa Shurland, Curtis McDowell, Steve Hewitt, Jeff Schultz, Dave Warner (Emeritus) Industry Members: Pat Sheeran, Paul Jamieson, Josh Coran, Tom Sisler, James Michel, Rich Stegner, Kevin Myles, Marci Taraszkievicz,
ABSENTEES	<i>Mario Bergeron, Momo Tamaoki, Troy Hughes, Charlie Poltenson, Vincent Brotski, Jonathan Hines, Jay Gilfillan, Nico Lindenau, Devin Rouse, Anand Prabhakaran, Charles Bielitz, Sal DeAngelo, Michael Coltman, Brian Marquis, Patricia Llana, Larry Salci, Shayne Gill</i>

DISCUSSION/DECISIONS MADE

1.

Vice Chairman Dale Engelhardt called today's meeting to order and asked 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 – 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 Backgrounder remains available upon request. Please contact Steve Hewitt at shewitt109@aol.com if you want to receive Backgrounders. Provide the quantity requested and an address for sending 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. No update for today.

AAR Committee Update: No update due today – next one is scheduled for 10-22-15.

GAO study: The GAO team has been provided with contact information for the working group team leaders and Tammy Krause (both as a team leader and as the Revision Control Coordinator). The GAO has requested that they participate on every other Technical subcommittee call – too listen and, periodically update the subcommittee on their progress. They are next scheduled to participate on 10-22-15.

4.

Approve Minutes from September 24, 2015 – Dale Engelhardt:

On a motion by Jeff Gordon, FRA, and a second by Jack Madden, NYSDOT, the Minutes from the 9-24-15 Technical subcommittee conference call meeting were approved without objection.

**5.
Document Control Update –Tammy Krause:**

Tammy Krause provided the following Document Control update:

"Last fall revision C2 of the bi-level car specification was approved. Due to other more important things at the time, the C1 version was never updated with the C2 changes and put on the AASHTO website. That is being taken care of now and revision C2 will be on the website next week. There are currently 16 DCR's that are being processed for revision C3 of the bi-level. Twelve of these requests are finalized and the remaining 4 should be completed shortly.

I have received a list of 15 upcoming DCRs for the Diesel-Electric Locomotive specification and 1 upcoming DCR for the Dual Mode Locomotive Specification."

**6.
Update: Accessibility Working Group/RCAAC related issues – Melissa Shurland:**

Melissa Shurland, FRA, provided the following updates for inclusion in today's minutes:

"RVAAC

I reached out to the US Access Board to further understand the processing of the recommendations for improved accessibility on rail vehicles. I was told that because the report was produced by an advisory committee, the Board is not bound by its recommendations and will probably not be making any statement about approving or disapproving the report. The next step is for the Board to review the report and then decide how to proceed. There is a backlog in rulemaking projects, and so it was not decided how and when to proceed with those recommendations.

AWG

Oregon State University (OSU) is making progress is developing the spatial model of the recommendations. Amtrak's Blair Slaughter has provided valuable input and has provided additional updated drawings to OSU."

**7.
Update: Procurements:**

Bi-Level Cars – Rob Edgcumbe for Momoko Tamaoki:

Rob Edgcumbe, on behalf of Caltrans, provided a brief update on the bi-level car procurement activities:

Rob reported that there are two primary courses of action underway:

- The ongoing FAI and testing on the existing car design
- The re-design after the failed compression test.

On the FAIs – there have been several conducted recently with additional ones upcoming. The FAIs are progressing well.

On the issue of the failed compression test, a meeting was held with Nippon Sharyo (NS) during which they went through their analysis report on what happened. Their findings indicate that it was a welding issue which was design related rather than manufacturing related. Re-design activities are underway and by mid to end of the month re-design revisions should be complete. NS is using margin of safety criteria higher than is necessary.

Unofficial tests are taking place on items such as endframes and collision parts.

Design Review – there are 10 remaining open items.

They are holding on new design review until the revised car shell re-design is completed. This will probably happen by around the end of December.

RSCs – there are a couple of outstanding items.

Schedule – with the compression test failure the schedule is under review. Initial indications are that the schedule is going to have a "significant slip". It is not yet known what the impact will be on funding with the schedule slipping.

While Rob did not have a firm timeline on the schedule slippage, he responded to a question of what does "significant" delays mean? – a year, more than a year? Rob responded "don't pin me down on this, but not far off a year."

Diesel-electric Locomotive – Jennifer Bastian:

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

- *The invoices for milestone C (Invoice #7 & #8), associated with 12 ea. IDOT Option Locomotives) are being processed by IDOT*
- *FDR follow-up action items are now closed. The balance of submittal drawings have now been received, as well.*
- *The FAI for the diesel engine was held on 9/22 and went well. The FAI for the Prime Mover (Engine and alternator together) is planned for October in Sacramento.*
- *Manufacturing for the first locomotive carbody continues. The integral fuel tank and the underframe has been completed and welding of the truck frames continues. The truck frame FAI is planned for October 8.*
- *The follow-up weld process review was held on September 15-16.*
- *The carbody FAI is scheduled for October 20th.*
- *One more draft DCR has been processed by the JPEs. Now we have fifteen draft (DCRs) are being prepared and Rich Stegner has contacted Tammy Krause, to send a list re-capping the DCRs and will begin drafting DCRs. Camren Cordell will assist.*
- *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 Diesel Exhaust Fluid (DEF) planning team is reviewing logistics for fueling locations.*
- *The locomotive weight is 272,000 lbs (+/-) and the calculated P2 force is still within specified limits. Weight is being closely monitored."*

8.

Progress report: Diesel Exhaust Fluid (DEF) / UREA Working Group - Jennifer Bastian:

Jennifer Bastian reported that the DEF working group met last week.

They are continuing to work on consumption calculations – the models show that they are close to the existing equipment, and the fueling points locations will likely not need to be changed.

The group is looking at nozzles and waiting to clarify with Siemens on the nozzles.

The next step is to begin developing an RFI for a DEF supplier. However, while they will begin working on the RFI, IDOT must have an agreement with Amtrak before proceeding.

Adjourn: With no other issues to come before the subcommittee today, at approximately 3:22PM Eastern, Dale Engelhardt adjourned today's Technical Subcommittee conference call meeting.

Next Call: October 22, 2015 – 3:00pm Eastern

Decisions and Action Items

RVAAC: 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. Today Melissa reported that she has learned that because the report was produced by an advisory committee, the Access Board is not bound by its recommendations and will probably not be making any statement about approving or disapproving the report. The next step is for the Access Board to review the report and then decide how to proceed. There is a backlog in rulemaking projects, and so it was not decided how and when to proceed with those recommendations. (Ongoing)

Updating ECP Standards: remains as a standing action item and as activities occur. (Ongoing)

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

Backgrounder educational document: The Backgrounder remains available upon request. Please contact Steve Hewitt at shewitt109@aol.com if you want to receive Backgrounders. Provide the quantity requested and an address for sending them to.

DEF Working Group: They are continuing to work on consumption calculations – the models show that they are close to the existing equipment, and the fueling points locations will likely not need to be changed. The next step is to begin developing an RFI for a DEF supplier. However, while they will begin working on the RFI, IDOT must have an agreement with Amtrak before proceeding.

The PRIIA Dual Mode (DC 3rd Rail) Passenger Locomotive Technical Specification – DRAFT Revision 2 was approved by the Technical subcommittee on 8-19-15 and will be put in final form with changes as noted during today's meeting, by Tammy Krause. Once in final form, Steve Hewitt will transmit it to Eric Curtit on behalf of Mario Bergeron and the Technical subcommittee and request that the Board begin the process for formally adopting the specification. (Ongoing)

The Technical subcommittee on, 8-19-15, voted to recommend that the Executive Board make a change to the Dual Mode (DC 3rd Rail) Passenger Locomotive Requirements document Revision A to reduce HEP from 1000kw to 800kw in Section 2.6 Electrical.

On 9-1-15, the Executive Board approved the change to the Requirements document as recommended by the Technical subcommittee. Tammy Krause will finalize the document with the changes. (Ongoing)

Specification 305-912 reference document changes: The subcommittee on 8-19-15 agreed to a series of updates/revisions to the 305-912 document. Tammy Krause will capture those changes and revise the document accordingly. A draft revised document was distributed to the full Technical subcommittee and members were asked to review it and submit comments/changes to Tammy Krause in advance of the 9-24-15 Tech SC call.

On the last call, the Technical subcommittee approved PRIIA Specification 305-912 Operational and Environmental Conditions for PRIIA Rolling Stock Revision B. A DCR will be submitted showing the changes will be transmitted to the NGEC Board Chairman to begin Executive Board approval process.

AWG report: Oregon State University (OSU) is making progress is developing the spatial model of the recommendations. Amtrak's Blair Slaughter has provided valuable input and has provided additional updated drawings to OSU. (Ongoing)

AAR Committee: Next update due 10- 22 -15.(Ongoing)

GAO project: The GAO team has been provided with contact information for the working group team leaders and Tammy Krause (both as a team leader and as the Revision Control Coordinator). The GAO has requested that they participate on every other Technical subcommittee call – too listen and, periodically update the subcommittee on their progress. They are next scheduled to participate on 10-22-15.

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

October 8, 2015

The agenda for the meeting is below:

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|---|------------------|
| 1. Roll Call | Steve Hewitt |
| 2. Review meeting agenda | Dale Engelhardt |
| 3. Review Action Items | Steve Hewitt |
| 4. Approve Minutes of September 24, 2015 | Dale Engelhardt |
| 5. Document Control Update | Tammy Krause |
| 6. Accessibility Working Group/RVAAC related issues update | Melissa Shurland |
| 7. Update: Procurements | |
| a. Bi-level Cars | Rob Edgcumbe |
| b. Diesel-electric locomotive | Jennifer Bastian |
| 8. Progress report: Diesel Exhaust Fluid (DEF) / UREA Working Group | Jennifer Bastian |
| 9. Other Issues | All |
| 10. Review this meeting: | Steve Hewitt |
| a) Decisions | |
| b) New Action Items | |

Technical Sub Committee Conference Call Meeting:
Thursday October 8, 2015 / 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 – 10-22-15 at 3:00pm Eastern