

SECTION 305 TECH SUB COMM

MINUTES

APRIL 20, 2017

3:00PM EASTERN

CONFERENCE CALL

FACILITATOR	<i>Dale Engelhardt, Vice Chair, NGENC Technical Subcommittee</i>
ATTENDEES	Core Team Members: Dale Engelhardt for Mario Bergeron, Melissa Shurland for Jeff Gordon, Allan Paul, Allan Paul also as proxy for Phil Meraz, Marci Petterson, Jennifer Bastian, Jennifer Bastian also as proxy for Momo Tamaoki, Charlie Poltenson, Eric Curtit, Jason Biggs Sal DeAngelo, Curtis McDowell, Jeff Schultz, Steve Hewitt, Industry Members: Paul Jamieson, Richard Stegner, Dick Bruss, Josh Coran, Wulf Dicke, Tom Sisler, Kevin Myles, Joe Kenas, Jack Madden, Matthew Spiel, Fran Nelson, Martin Bloedt
ABSENTEES	Mario Bergeron, Jeff Gordon, Phil Meraz, Momo Tamaoki, Tammy Krause, Michael Burshtin, Andrew Wood, Jonathan Hines, Jay Gilfillan, Art Peterson, Devin Rouse, Anand Prabhakaran, Charles Bielitz, Michael Coltman, Brian Marquis, Larry Salci

DISCUSSION/DECISIONS MADE

- 1.**
Subcommittee Vice Chairman Dale Engelhardt, 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 – Dale Engelhardt, Amtrak:

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 about **260** registered industry participants. Steve is updating the industry list – and is asking members to review it and let him know of any updates or changes they may be aware of.

Requesting Backgrounder educational document: Copies have been printed, 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. Everyone attending the Annual Meeting received a copy in their meeting packet. To date over 300 have been distributed and a second printing has taken place.

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)

Status: No report today.

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 the last call (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. (ongoing)

Distribution of TRB Session presentations: On the 1-12-17 subcommittee call, Jack Madden reported that the TRB session presentations will be made available in March 2017, by TRB, to those who were registered attendees at the

TRB Annual Meeting. Jack has confirmed that, if the presenters agree, it is ok to distribute the presentations beyond the TRB registrants. Jack Madden has received permission from all but one of the speakers on the NGEC – TRB panel – to distribute their presentations. As soon as he confirms with the last panelist, he will let Steve Hewitt know.

Status: Jack Madden will resend the presentations to Steve Hewitt for distribution to subcommittee members.

AAR Committee: Ongoing – There was nothing new to report on today's call.

Next Update: 5-18-17

**4.
Approve Minutes from 3-23-17 – Dale Engelhardt:**

On a motion offered by Allan Paul, NCDOT, and a second by Jennifer Bastian, IDOT, the minutes from the last call held on 3-23-17 were approved as presented.

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

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

- *JPEs continue to work with Siemens on schedule and conduct bi-weekly conference calls.*
- *IDOT Locomotives 4604 and 4611 are in Chicago.*
- *Six Caltrans units have been delivered to Oakland*
- *IDOT and Siemens have signed conditional acceptance on IDOT units: 4603- 4611. These units have all completed the 500 mile burn in.*
- *Caltrans has signed conditional acceptance on their six units.*
- *All Maintenance Demonstrations have been successfully completed.*
- *238.111(b) testing is complete at WSDOT. 238.111(a) testing is complete at Caltrans. 238.111(a) testing has begun at IDOT, all yard tests are complete and corridor road testing began on 4/19.*
- *IDOT and Amtrak have signed agreements for storage, testing and commissioning the locomotives.*
- *WSDOT and IDOT continue to meet with Amtrak to finalize their respective leases. Caltrans is working with Amtrak on updating its agreement.*
- *Amtrak/JPE insurance issues have been resolved and the insurance is progress.*
- *JPE's are working with Amtrak and the FRA on a list of final items that need to be resolved before the locomotives go into revenue service.*
- *WSDOT units 1400-1401 have been delivered to TTCI and 1400 has completed the 500-mile burn in and 1401, 1402 and 1403 finished testing at TTCI this week.*
- *Siemens warranty service locations are now established at the JPE's.*
- *Wi-Tronix application, as required by Amtrak is being applied by FMI. One Caltrans unit has been equipped and IDOT units at TTCI are being equipped. Siemens projects Wi-Tronix will complete software in June.*
- *All Document Change Requests (DCR) have been processed to conform the technical specification for as-built configuration.*
- *IDOT and its' Fleet Manager Contractor is now functioning in Chicago on a daily basis.*

Dale Engelhardt complimented Jennifer and the entire team for their hard work in getting so much accomplished.

**6.
Document Control Update –Steve Hewitt for Tammy Krause:**

- a. Status: Single Level Specification Review/update

Tammy Krause has informed Steve Hewitt that the initial timeline for completion (June 2017) of the review of the Bi-Level Specification Revisions for applicability to the Single Level Specification has slipped a bit. Tammy is now in the process of putting together the DCRS for the Single Level Specification, and intends to have them out in the next several weeks. Tammy will develop an updated/revised timeline for completion of the review and updating of the single-level specification.

- b. Review and respond to comments on D/E Loco DCRs

Tammy has informed Steve Hewitt that she has received no comments on the Diesel-Electric Locomotive DCR spreadsheet, as approved by the Locomotive working group, and distributed to the Technical subcommittee members prior to the last call (3-23-17). With no comments received or changes requested, it is recommended that the changes be considered for approval by the subcommittee today.

7.

Consider for Approval – D-E Locomotive Specification DCRs Revision A.1- Dale Engelhardt:

Dale Engelhardt called for a motion to approve the Diesel-Electric Locomotive Specification as presented:

A motion to approve was offered by Charlie Poltenson, NYSDOT, and seconded by Allan Paul, NCDOT.

With no further discussion forthcoming, Dale Engelhardt asked Steve Hewitt to poll the voting members of the subcommittee on the motion:

Dale Engelhardt, Amtrak – aye
Melissa Shurland, FRA, for Jeff Gordon - aye
Allan Paul, NCDOT - aye
Allan Paul as proxy for Phil Meraz, Iowa DOT – aye
Jennifer Bastian, IDOT – aye
Jennifer Bastian as proxy for Momo Tamaoki, Caltrans – aye
Marci Petterson, Conn DOT - aye
Charlie Poltenson, NYSDOT – aye
Jason Biggs, WSDOT – aye
Eric Curtit, Missouri DOT -aye

With a quorum having been confirmed, and all votes having been cast in the affirmative, Dale Engelhardt determined that consensus has been achieved and the motion is approved.

Steve Hewitt will transmit the DCR spreadsheet to Chairman Eric Curtit with a recommendation that he reconvene the Locomotive Review Panel to begin its review and make recommendations to the Executive Board per the NGEN procedures.

Rich Stegner thanked the Technical subcommittee members for their approval of the changes which will result in having an "as-built" specification.

8.

Electronics on Trains in the Future – next steps – Dale Engelhardt:

Dale Engelhardt reported that he has not yet gotten confirmation from Mario Bergeron as to whether the proposed working group will be established, but he anticipates that it will.

Dale also reported that he has done some follow up with Amtrak folks on this concept, many of whom are working on it from Amtrak's end. Dale noted that the airlines provide similar service on flights and it is called In Flight Entertainment (IFE). Dale is recommending that, on trains it would be identified as On Board Entertainment (OBE).

Dale believes the concept and the anticipated working group offers a great opportunity for the future of passenger rail and he hopes to bring it from "discussion to reality".

Steve Hewitt announced the following as members who have volunteered to serve on the working group. Others are welcome to join. If interested, please let Steve Hewitt know and he will inform Mario Bergeron and Dale Engelhardt.

Volunteers to date:

Dale Engelhardt – Amtrak – engelhd@amtrak.com
David Yoge – 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

**9.
Other Issues:**

Jack Madden reported that the NY State budget for the State Fiscal Year starting April 1, 2017, did not include funding for the procurement of Dual Mode locomotives. Jack wrote an op-ed about the importance of replacing the old locomotives with new ones, and it was published in the Schenectady Sunday Gazette on April 9th. As a follow-up, a reporter from the Albany (NY) Times Union, contacted Jack on April 9th and asked him if information was available regarding the frequency of failures of the old Dual Mode Locomotives and delays because of those failures. Jack noted that the primary source of such information would be Amtrak.

Dale commented that all external communications go through the Amtrak Publications Group. If Jack can provide the reporter's contact information and specific questions he is looking for answers to, Dale will take it to the Publications Group.

Action from 4-20-17: Jack was to go back to the Times Union Reporter and get contact information as well as additional specifics and follow up with Dale Engelhardt.

The link to the Schenectady Sunday Gazette April 9, 2017 Op-ed is:
<https://dailygazette.com/article/2017/04/09/state-needs-to-purchase-more-green-trains>

Adjourn:

With no further issues to come before the subcommittee today, Dale Engelhardt adjourned this conference call meeting at 3:25PM Eastern.

Next Call: May 4, 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.

Status: There was no report for today.

AWG Update: Melissa Shurland prepared an update for the NGEN Annual Meeting, but was unable to attend. The presentation has been distributed to all Tech SC members and posted to the website. It was also distributed with the materials for this call.

As for the Accessibility Report that was previously distributed, no comments have been received.

Requesting Backgrounder educational document: Copies have been printed, 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. Everyone attending the Annual Meeting received a copy in their meeting packet. To date over 300 have been distributed and a second printing has taken place.

Maintaining Industry Participation List: This remains an ongoing action item. There are currently around **260** registered industry participants. Steve Hewitt requests that industry members review the industry contact list and provided him with any changes they are aware of.

AAR Committee: Ongoing – There was nothing new to report on today's call.

Next Update: 5-18-17

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 agenda item 5. (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 the last call (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.

Document Control Update:

Single Level Specification Review/update: Tammy Krause has informed Steve Hewitt that the initial timeline for completion (June 2017) of the review of the Bi-Level Specification Revisions for applicability to the Single Level Specification has slipped a bit. Tammy is now in the process of putting together the DCRS for the Single Level Specification, and intends to have them out in the next several weeks. Tammy will develop an updated/revised timeline for completion of the review and updating of the single-level specification.

Diesel Electric Locomotive Specification DCRS: On today's (4-20-17) call, the Technical subcommittee approved the DCRS (Revision A.1) as presented on 3-23-17.

Steve Hewitt will transmit the DCR spreadsheet to Chairman Eric Curtit with a recommendation that he reconvene the Locomotive Review Panel to begin its review and make recommendations to the Executive Board per the NGEC procedures.

Siemens/All Aboard Florida NGEC specification use – feedback/presentation:

Follow up action items:

Ray Ginnell will provide the subcommittee with the actual weight of the cars once they have been weighed.

Distribution of TRB Session presentations: On the 1-12-17 subcommittee call, Jack Madden reported that the TRB session presentations will be made available in March 2017, by TRB, to those who were registered attendees at the TRB Annual Meeting. Jack has confirmed that, if the presenters agree, it is ok to distribute the presentations beyond the TRB registrants. Jack Madden has received permission from all but one of the speakers on the NGEC – TRB panel – to distribute their presentations. As soon as he confirms with the last panelist, he will let Steve Hewitt know.

Status: Jack Madden re-sent the presentations to Steve Hewitt following today's call (4-20-17), and Steve has sent them to all Technical subcommittee members.

Task Complete.

Future of Electronics on Trains: On 3-23-17, Dale Engelhardt reprised the presentation he gave at the Annual Meeting and a follow-up discussion will take place. Dale has recommended to Chairman Bergeron that a working group be formed within the Technical subcommittee to address the topic of electronics on trains in the future. Subcommittee members interested in participating should send an email to that effect to Steve Hewitt. By the 5-4-17 subcommittee call, it is anticipated that a decision on forming the working group will be made.

Volunteers to date:

Dale Engelhardt – Amtrak – engelhd@amtrak.com
David Yoge – 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

Follow up on Times Union Reporter request: Jack Madden reported that the NY State budget for the State Fiscal Year starting April 1, 2017, did not include funding for the procurement of Dual Mode locomotives. Jack wrote an op-ed about the importance of replacing the old locomotives with new ones, and it was published in the Schenectady Sunday Gazette on April 9th. As a follow-up, a reporter from the Albany (NY) Times Union, contacted Jack on April 9th and asked him if information was available regarding the frequency of failures of the old Dual Mode Locomotives and delays because of those failures. Jack noted that the primary source of such information would be Amtrak.

Jack will go back to the Times Union Reporter and get contact information as well as additional specifics and follow up with Dale Engelhardt.

The link to the Schenectady Sunday Gazette April 9, 2017 Op-ed is:

<https://dailygazette.com/article/2017/04/09/state-needs-to-purchase-more-green-trains>

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

April 20, 2017

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 from 3-23-17 | Dale Engelhardt |
| 5. Update: Diesel-Electric Locomotive Procurement | Jennifer Bastian |
| 6. Document Control Update | Steve Hewitt |
| a. Status: Single Level Specification Review/update | |
| b. Review and respond to comments on D/E Loco DCRs | |
| 7. Consider for Tech SC approval – D/E Locomotive Spec DCRs – Revision A.1 | Dale Engelhardt |
| 8. Electronics on Trains in the Future – next steps | Dale Engelhardt |
| a. Determine whether to form Technical working group | Dale Engelhardt |
| b. Review of Volunteers who have expressed interest in participating | Steve Hewitt |
| 9. Other issues | All |
| 10. Review this meeting: | Steve Hewitt |
| a) Decisions | |
| b) New Action Items | |

Technical Sub Committee Conference Call Meeting:
Thursday 4-20-17 / 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 –5 4-17 at 3:00pm Eastern