2020 FALL MEETING
A Virtual Event
SEPTEMBER 14-17, 2020

RELIABLE ANSWERS
FOR UNCERTAIN TIMES

To register, go to
http://tmcfall.trucking.org
Today's challenging world of social distancing, technological change and economic uncertainty demands diligent attention to detail and careful consideration. Public health concerns, government regulations, engineering advances, and CSA compliance issues all require commercial vehicle fleets to be ever vigilant in order to stay safe, efficient and profitable. Smart fleets scrutinize the investments they make into their operations and vehicle maintenance programs and many turn to ATA's Technology & Maintenance Council (TMC) to help them make smart business decisions on maintenance and spec'ing issues.

Comprised of a broad collection of experienced fleets, equipment suppliers and service providers, TMC is the only industry association that is focused solely on truck technology and maintenance. Using their real world experience, members work together to create the industry's best practices in truck technology and maintenance to help improve trucking equipment and transportation efficiencies throughout North America.

Societal changes — accelerated by technology and the ongoing Covid-19 crisis — are transforming the way fleets specify and operate equipment in both intentional and unintended ways. Staying ahead of the learning curve is paramount to maintaining and securing fleet operations. That's why it is appropriate that the theme of TMC's 2020 Fall Meeting is “Reliable Answers for Uncertain Times.”

TMC allows like-minded individuals who have the industries' best interest at heart to freely discuss standards and best practices without the hindrance of corporate politics or solicitation. My favorite part of every TMC meeting is the dialogue. It's amazing that so many competitors, partners, fleets, and associates can come together while looking past any potential conflicts or differences for the betterment of the future of our industry. People putting aside corporate agendas to impact common goals and best practices are truly commendable.

Bobby Knight,
Director of Strategic Partnerships, IoT,
The Morey Corporation
TMC’s Fall Meeting to Be an All-Virtual Event

Given the current health and economic crisis prompted by the coronavirus pandemic, TMC has made the decision to forgo its traditional in-person event format and instead offer industry professionals an all-virtual alternative. This alternative, not lightly taken, will allow TMC members and non-members alike the chance to experience all the content of TMC’s Fall Meeting while still being sensitive to the health-and economic-related pressures that we all are facing in 2020.

While TMC’s 2020 Fall Meeting will be able to held in a virtual setting, TMC will unfortunately not be able to hold its National Technician Skills Competitions (TMCSuperTech) or National Student Technician Competition (TMCFutureTech) in 2020. Instead, TMC will celebrate the first-ever National Technician Appreciation Week the week following TMC’s 2020 Fall Meeting, during September 21-25. During this time, the Council will offer special online training sessions aimed at technicians and shop supervisors in our annual PDTC Technician Training Fair.

Why Attend TMC’s 2020 Fall Meeting…

Finding a trusted source for proven maintenance solutions is a challenge for every segment of the industry — from the biggest fleets to individual owner-operators; from vehicle manufacturers to service-dealers; and from fleet maintenance executives to equipment technicians. Attending TMC’s 2020 Fall Meeting is one of the best choices an industry professional can make — a decision that could mean the difference between profitability or disaster.

Premium Educational Offerings — TMC’s 2020 Fall Meeting offers a comprehensive collection of educational sessions designed to keep your maintenance personnel on the cutting edge of vehicle technology. Our technical and study group sessions are developed and presented by your industry peers, so you know the dozens of topics we have selected are timely and meaningful to your company’s operation. And because it’s a TMC meeting, you know that the intention of all our educational program is technical — not commercial. TMC sessions are designed to provide reliable answers in uncertain times — answers that will directly impact your company’s bottom line.

Unequalled Networking Opportunities — TMC’s 2020 Fall Meeting offers unequalled networking opportunities for technical-minded equipment professionals. Top personnel and experts from all industry segments gather at TMC to share ideas, develop solutions, and interact with peers.

Trailblazers in Thought Leadership — Moreover, TMC is a trailblazer in thought leadership. For fleets, this means having direct access to information on equipment and technology specifications and maintenance best practices. At TMC, equipment and technology professionals can:

- Participate in TMC’s Future Truck Initiative. As the only industry association that is focused solely on truck technology and maintenance, TMC and its member companies work together with OEM’s to create the industry’s standards for future truck technology and equipment that help ensure that the truck of the future is one that is the most efficient to operate and maintain.
- Gain and share information with hundreds of your peers at TMC’s Shop Talk, a free-form discussion on equipment issues.
- Resolve troubling equipment issues at TMC’s Town Meeting and Fleet Operators’ Forum.
- Participate in voluntary standards-setting efforts through TMC’s Study Groups and Task Forces, which are tackling important issues such as electronic logging devices, natural gas powered vehicles and emerging onboard technologies.

Without question, TMC meetings are the trucking industry’s best bargain by far!

Register now online! http://tmcfall.trucking.org
# TMC 2020 Fall Meeting Schedule

## Monday, Sept. 14

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>9 – 10 am</td>
<td>TMC Officers Meeting (Closed)</td>
</tr>
<tr>
<td>10 – 11 am</td>
<td>Secretaries’ Meeting (Closed)</td>
</tr>
<tr>
<td>10 – 11 am</td>
<td>Mentor Committee</td>
</tr>
<tr>
<td>11 am - Noon</td>
<td>Future Truck Committee Meeting (Closed)</td>
</tr>
<tr>
<td>Noon – 1 pm</td>
<td>Strategic Planning Committee Meeting (Closed)</td>
</tr>
<tr>
<td>1:15 – 2:45 pm</td>
<td>Study Group &amp; Meeting Planning Committee Meetings (Closed)</td>
</tr>
<tr>
<td>3 – 5 pm</td>
<td>Board of Directors Meeting (Closed)</td>
</tr>
<tr>
<td>5 – 6 pm</td>
<td>Recognized Associates Meeting (Closed)</td>
</tr>
</tbody>
</table>

## Tuesday, Sept. 15

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>9 – 9:30 am</td>
<td>Welcome and Virtual Meeting Orientation</td>
</tr>
<tr>
<td>10 am – 6 pm</td>
<td>Task Force Meetings</td>
</tr>
<tr>
<td>6 – 6:30 pm</td>
<td>Study Group Business Sessions</td>
</tr>
</tbody>
</table>

## Wednesday, Sept. 16

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>10 – 11 am</td>
<td>Town Meeting/Fleet Operators’ Forum</td>
</tr>
<tr>
<td>11:15 am – 12:45 pm</td>
<td>Technical Session #1— How Do Integrated Powertrains Work? The Pros and Cons of Vertical Integration</td>
</tr>
<tr>
<td>1 – 1:30 pm</td>
<td>TMC Industry Keynote Presentation</td>
</tr>
<tr>
<td>1:45 – 2:45 pm</td>
<td>Study Group Sessions—</td>
</tr>
<tr>
<td>1. S.3 Engine</td>
<td>EPA 2021/2024 Regulatory Update</td>
</tr>
<tr>
<td>2. S.16 Service Provider</td>
<td>Maximizing Uptime from a Professional Technician Perspective</td>
</tr>
<tr>
<td>3 – 4 pm</td>
<td>Study Group Sessions—</td>
</tr>
<tr>
<td>1. S.1 Electrical</td>
<td>Diagnostics for Future Electrical Systems ADAS, Multi-Voltages and More</td>
</tr>
<tr>
<td>2. S.11 Sustainability &amp; Environmental Technologies</td>
<td>Capabilities of Telematics to Evaluate Short- and Long-Term Fuel Economy and Other Vehicle Performance Factors</td>
</tr>
<tr>
<td>4:15 – 5:15 pm</td>
<td>New Technology Presentations</td>
</tr>
</tbody>
</table>

## Thursday, Sept. 17

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>8 – 9 am</td>
<td>TMC Leaders of Tomorrow Leadership Training (Class of 2021)</td>
</tr>
<tr>
<td>9 – 10 am</td>
<td>TMC Leaders of Tomorrow Leadership Training (Class of 2022)</td>
</tr>
<tr>
<td>10 – 11:30 am</td>
<td>Technical Session #2— Supporting Education to Help Resolve Your Technician Shortage</td>
</tr>
</tbody>
</table>

## Thursday, Sept. 17 (cont.)

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>11:45 am – 12:45 pm</td>
<td>Study Group Sessions—</td>
</tr>
<tr>
<td>1. S.7 Trailers, Bodies &amp; Material Handling</td>
<td>What Are Your Trailers Riding on and Why?</td>
</tr>
<tr>
<td>2. S.17 Collision and Corrosion Control Collision Repair: You Don’t Know What You Don’t Know</td>
<td></td>
</tr>
<tr>
<td>12:45 – 2 pm</td>
<td>Lunch Break</td>
</tr>
<tr>
<td>2 – 3 pm</td>
<td>Study Group Sessions—</td>
</tr>
<tr>
<td>1. S.5 Fleet Maintenance Management</td>
<td>Is Your Parts Department Evolving Through Sensor-Based Maintenance</td>
</tr>
<tr>
<td>2. S.14 Light- &amp; Medium-Duty and Specialty Trucks</td>
<td>Duty Cycles for Current and Future Aftertreatment Systems</td>
</tr>
<tr>
<td>3:15 – 4:45 pm</td>
<td>Shop Talk &amp; Fleet Operators’ Forum Wrap-up</td>
</tr>
</tbody>
</table>

## Friday, Sept. 18

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>9 – 10 am</td>
<td>Board Nominating Committee Meeting (Closed)</td>
</tr>
<tr>
<td>11 am – Noon</td>
<td>Administrative Wrap-up Meeting (Closed)</td>
</tr>
<tr>
<td>1 – 2 pm</td>
<td>Board of Directors Meeting (Closed)</td>
</tr>
</tbody>
</table>
Pattern for TMC’s 2020 Fall Meeting - A Virtual Event

TMC’s 2020 Fall Meeting schedule is designed to optimize attendees’ potential to participate in our study groups, task forces, educational sessions and technician competitions. Some adjustments to our schedule were necessary to accommodate differing time zones, and accordingly, for 2020, the meeting schedule will be as follows:

(Note: All times are Eastern Daylight Time)

**Monday, September 14**
- TMC’s pre-event volunteer leadership, Study Group/Meeting Planning Committee and Board of Director Meetings, which usually take place on Sunday, will be held.

**Tuesday, September 15**
- TMC’s 2020 Fall Meeting officially opens at 9 am with a welcome and orientation.
- Task Forces are held from 10 am – 6 pm.
- Study Group Business Sessions are held from 6 – 6:30 pm.

**Wednesday, September 16**
- The Town Meeting & Fleet Operators’ Forum is held from 10 – 11 am
- Technical Sessions and Study Group Sessions take place.
- TMC Industry Keynote Presentation takes place from 1 – 1:30 pm
- New Technology Presentations take place from 4:15 – 5:15 pm

**Thursday, September 17**
- TMC Leaders of Tomorrow Training is held.
- Technical Sessions, Study Group Sessions and Shop Talk take place.
### S.1 Electrical—Chairman: Jody Younce

<table>
<thead>
<tr>
<th>Session</th>
<th>Speaker(s)</th>
<th>Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Future Electrical/Electronic Systems</td>
<td>A. Lesesky</td>
<td>10 – 11 am</td>
</tr>
<tr>
<td>Next Generation Tractor-Trailer Interface</td>
<td>P. Menig</td>
<td>11 am – Noon</td>
</tr>
<tr>
<td>RP Updates (S.1)</td>
<td>A. Mihic</td>
<td>Noon – 1 pm</td>
</tr>
<tr>
<td>Fifth Wheel Ground Strap Maintenance Guidelines</td>
<td>A. Puckett/L. Rambeaux</td>
<td>1 – 1:30 pm</td>
</tr>
<tr>
<td>RP 177 Update (Solar Power for Commercial Vehicles)</td>
<td>M. Smiec</td>
<td>1:30 – 2 pm</td>
</tr>
<tr>
<td>Electrical Diagnostics Incorporating Lab Scopes NEW</td>
<td>G. Arrants</td>
<td>2:30 – 3 pm</td>
</tr>
<tr>
<td>Cable Identification for Multi-Volt Electrical Systems <strong>NEW</strong></td>
<td>F. Kelley</td>
<td>3 – 4 pm</td>
</tr>
<tr>
<td>Integrated Starting &amp; Charging <strong>NEW</strong></td>
<td>C. Cummings</td>
<td>4 – 4:30 pm</td>
</tr>
<tr>
<td>Study Group Business Session</td>
<td></td>
<td>6 – 6:30 pm</td>
</tr>
</tbody>
</table>

### S.2 Tire & Wheel—Chairman: Todd Stout

<table>
<thead>
<tr>
<th>Session</th>
<th>Speaker(s)</th>
<th>Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kill the Mallet</td>
<td>N. Ball</td>
<td>10 – 10:30 am</td>
</tr>
<tr>
<td>Specification of Tires for Heavy-Duty Electric Vehicles</td>
<td>D. Shy</td>
<td>11 am – Noon</td>
</tr>
<tr>
<td>Aligning Vehicle Inspection Procedures for Tires with TMC Recommended Practices</td>
<td>N. Ball</td>
<td>1 – 2 pm</td>
</tr>
<tr>
<td>Tire Asset Management (Cradle to Grave)</td>
<td>P. Fisher</td>
<td>2 – 3 pm</td>
</tr>
<tr>
<td>RP Updates (S.2)</td>
<td>P. Fisher</td>
<td>3 – 4 pm</td>
</tr>
<tr>
<td>Study Group Business Session</td>
<td></td>
<td>6 – 6:30 pm</td>
</tr>
</tbody>
</table>

### S.3 Engine—Chairman: Bryan Stewart

<table>
<thead>
<tr>
<th>Session</th>
<th>Speaker(s)</th>
<th>Time</th>
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</thead>
<tbody>
<tr>
<td>RP Updates (S.3)</td>
<td>P. Cigala</td>
<td>10 – 11 am</td>
</tr>
<tr>
<td>LNG/CNG Post-Thermal Events</td>
<td>C. Culbertson/J. Carrigan</td>
<td>11 am – Noon</td>
</tr>
<tr>
<td>RP 326 Update (Recycled Engine Coolant)</td>
<td>P. Woyciesjes</td>
<td>Noon – 1 pm</td>
</tr>
<tr>
<td>RP 365 Update (Coolant Maintenance Guidelines)</td>
<td>M. Martinelli</td>
<td>1 – 2 pm</td>
</tr>
<tr>
<td>RP 312B Update (Evaluating Diesel Additives)</td>
<td>J. Long</td>
<td>3 – 4 pm</td>
</tr>
<tr>
<td>Oil Viscosity Transition Planning and Implementation</td>
<td>G. Matheson/P. Cigala</td>
<td>4 – 5 pm</td>
</tr>
<tr>
<td>Study Group Business Session</td>
<td></td>
<td>6 – 6:30 pm</td>
</tr>
</tbody>
</table>

### S.4 Cab & Controls—Chairman: Mark Kennedy

<table>
<thead>
<tr>
<th>Session</th>
<th>Speaker(s)</th>
<th>Time</th>
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</thead>
<tbody>
<tr>
<td>RP Updates (S.4)</td>
<td>A. Krum</td>
<td>10 – 10:30 am</td>
</tr>
<tr>
<td>RP 407B Update (Defrost, Defogging &amp; Heating Performance)</td>
<td>A. Moulantanovsky</td>
<td>10:30 – 11:30 am</td>
</tr>
<tr>
<td>RP 417/435 Update (Tractor-to-Trailer Air/Electric Lines)</td>
<td>B. McKie</td>
<td>11:30 am – Noon</td>
</tr>
<tr>
<td>RP 430 Update (Guidelines for Collision Warning)</td>
<td>M. Kennedy</td>
<td>1 – 1:30 pm</td>
</tr>
<tr>
<td>RP 442 Update (Standardization of Speedometer and Tachometer Signaling <strong>NEW</strong></td>
<td>G. Selby</td>
<td>1:30 – 2 pm</td>
</tr>
<tr>
<td>RP 443 Update (In-Cab Cleaning &amp; Deodorizing Guidelines)</td>
<td>M. Winchell</td>
<td>3 – 3:30 pm</td>
</tr>
<tr>
<td>Conversion of Rear View Mirrors to Cameras</td>
<td>S. Fox</td>
<td>3:30 – 4:30 pm</td>
</tr>
<tr>
<td>Odometer Synchronization</td>
<td>G. Selby</td>
<td>4:30 – 5 pm</td>
</tr>
<tr>
<td>In-cab Gas Detectors</td>
<td>K. Altrichter</td>
<td>5 – 6 pm</td>
</tr>
<tr>
<td>Study Group Business Session</td>
<td></td>
<td>6 – 6:30 pm</td>
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</tbody>
</table>

### S.5 Fleet Maintenance Management—Chairman: Amanda Schuier

<table>
<thead>
<tr>
<th>Session</th>
<th>Speaker(s)</th>
<th>Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>RP Updates (S.5)</td>
<td>J. Galbraith</td>
<td>10 – 10:30 am</td>
</tr>
<tr>
<td>Developing Key Performance Indicators</td>
<td>L. Flowers</td>
<td>10:30 – 11 am</td>
</tr>
<tr>
<td>RP 512A Update (Technician Staffing)</td>
<td>E. Luzania/T. Wynes</td>
<td>11 – 11:30 am</td>
</tr>
<tr>
<td>VMRS Codes Committee</td>
<td>P. Moszak</td>
<td>11:30 – 12:30 pm</td>
</tr>
<tr>
<td>Hiring Military Personnel <strong>NEW</strong></td>
<td>K. Weaver</td>
<td>12:30 – 1:30 pm</td>
</tr>
<tr>
<td>EDVIR Functional Requirements (Exploratory Session)</td>
<td>A. Schuier</td>
<td>1:30 – 2:30 pm</td>
</tr>
<tr>
<td>Cybersecurity Issues</td>
<td>M. Zachos</td>
<td>3 – 4 pm</td>
</tr>
<tr>
<td>Technician Apprenticeship Standards</td>
<td>G. McDonald</td>
<td>4 – 5 pm</td>
</tr>
<tr>
<td>RP 518A Update (Fuel Station Planning) <strong>NEW</strong></td>
<td>D. Martin/D. Lippincott</td>
<td>5 – 6 pm</td>
</tr>
<tr>
<td>Study Group Business Session</td>
<td></td>
<td>6 – 6:30 pm</td>
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</table>

### S.6 Chassis & Brake Systems—Chairman: Joey Young

<table>
<thead>
<tr>
<th>Session</th>
<th>Speaker(s)</th>
<th>Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>RP Updates (Brake-Related RPs)</td>
<td>J. Vander Geissen</td>
<td>10 – 10:30 am</td>
</tr>
<tr>
<td>RP Updates (Chassis-Related RPs)</td>
<td>J. Vander Geissen</td>
<td>11:30 – 1 pm</td>
</tr>
<tr>
<td>Towing Electric Vehicles <strong>NEW</strong></td>
<td>J. Vander Giessen</td>
<td>1 – 1:30 pm</td>
</tr>
<tr>
<td>RP 642B Update (Total Vehicle Alignment)</td>
<td>J. Vander Giessen</td>
<td>1 – 1:30 pm</td>
</tr>
<tr>
<td>RP 648 Update (Troubleshooting Ride Complaints)</td>
<td>S. Lemnah</td>
<td>1:30 – 2 pm</td>
</tr>
<tr>
<td>RP 652 (Air Disc Brake Service/Inspection)</td>
<td>J. Holman</td>
<td>3 – 3:30 pm</td>
</tr>
<tr>
<td>Wheel End Thermal Events (Joint S.6/S.7 in S.7 room)</td>
<td>R. Petresh</td>
<td>4 – 4:30 pm</td>
</tr>
<tr>
<td>Study Group Business Session</td>
<td>L. Long/H. Schneider</td>
<td>5 – 6 pm</td>
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<tr>
<td></td>
<td></td>
<td>6 – 6:30 pm</td>
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</tbody>
</table>

### S.7 Trailers, Bodies & Material Handling—Chairman: Richard Brown

<table>
<thead>
<tr>
<th>Session</th>
<th>Speaker(s)</th>
<th>Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>RP Updates (S.7)</td>
<td>H. Schneider</td>
<td>10 – 11 am</td>
</tr>
<tr>
<td>Van Trailer Washing Procedures and Testing</td>
<td>M. Gordon</td>
<td>11 – 11:30 am</td>
</tr>
<tr>
<td>Cryogenic Cooling Systems</td>
<td>P. Jacobsen</td>
<td>11:30 am – Noon</td>
</tr>
<tr>
<td>Trailer Load Hold Down Repairs</td>
<td>R. McRea</td>
<td>Noon – 12:30 pm</td>
</tr>
<tr>
<td>Next Generation Trailer Electrical Architecture</td>
<td>P. Menig</td>
<td>3 – 4 pm</td>
</tr>
<tr>
<td>Wheel End Thermal Events (Joint S.6/S.7)</td>
<td>L. Long/H. Schneider</td>
<td>5 – 6 pm</td>
</tr>
<tr>
<td>Study Group Business Session</td>
<td></td>
<td>6 – 6:30 pm</td>
</tr>
</tbody>
</table>

### S.8 Task Force Schedule—Tuesday, September 15, 2020

**Task Force Schedule**

- **9:00 am – 10:00 am**
  - Briefing of the new Facilitator for S.8: L. Long

- **10:00 am – 11:00 am**
  - Task Force 8 Discussion: L. Long

- **11:00 am – 12:00 pm**
  - Task Force 8 Discussion: L. Long

- **12:00 pm – 1:00 pm**
  - Task Force 8 Discussion: L. Long

- **1:00 pm – 2:00 pm**
  - Task Force 8 Discussion: L. Long

- **2:00 pm – 3:00 pm**
  - Task Force 8 Discussion: L. Long

- **3:00 pm – 4:00 pm**
  - Task Force 8 Discussion: L. Long

- **4:00 pm – 5:00 pm**
  - Task Force 8 Discussion: L. Long

- **5:00 pm – 6:00 pm**
  - Task Force 8 Discussion: L. Long

**Task Force Business Session**

- **9:00 am – 10:00 am**
  - Pilot Study Group Discussion: L. Long

- **10:00 am – 11:00 am**
  - Pilot Study Group Discussion: L. Long

- **11:00 am – 12:00 pm**
  - Pilot Study Group Discussion: L. Long

- **12:00 pm – 1:00 pm**
  - Pilot Study Group Discussion: L. Long

- **1:00 pm – 2:00 pm**
  - Pilot Study Group Discussion: L. Long

- **2:00 pm – 3:00 pm**
  - Pilot Study Group Discussion: L. Long

- **3:00 pm – 4:00 pm**
  - Pilot Study Group Discussion: L. Long

- **4:00 pm – 5:00 pm**
  - Pilot Study Group Discussion: L. Long

- **5:00 pm – 6:00 pm**
  - Pilot Study Group Discussion: L. Long
**S.11 Sustainability & Environmental Technology—Chairman: Ken Marko**

<table>
<thead>
<tr>
<th>Task</th>
<th>Time</th>
<th>Speaker</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>RP 1112 Update (Lightweight Components and Fuel Economy)</td>
<td>C. Herpel</td>
<td>10 – 10:30 am</td>
<td></td>
</tr>
<tr>
<td>RP 1113 Update (Guidelines for Driver Incentive Programs)</td>
<td>C. Herpel</td>
<td>10:30 – 11 am</td>
<td></td>
</tr>
<tr>
<td>RP 1105 Update (Idle Limiting Systems)</td>
<td>B. Wilson</td>
<td>11 – 11:30 am</td>
<td></td>
</tr>
<tr>
<td>RP 1109B Update (Type IV Fuel Economy Test Procedures)</td>
<td>B. Wilson</td>
<td>11:30 am – Noon</td>
<td></td>
</tr>
<tr>
<td>Alternative Energy Implementation Elements</td>
<td>J. Gerrity</td>
<td>Noon – 1 pm</td>
<td></td>
</tr>
<tr>
<td>SmartWay Activities</td>
<td>D. Johnson</td>
<td>1 – 2 pm</td>
<td></td>
</tr>
<tr>
<td>Terminal Tractor Powertrain Options</td>
<td>P. Seeberg</td>
<td>2 – 3 pm</td>
<td></td>
</tr>
<tr>
<td>RP 1118 Update (Cost Modeling for Aerodynamic Devices)</td>
<td>A. Winfield</td>
<td>3 – 3:30 pm</td>
<td></td>
</tr>
<tr>
<td>Future Energy Conservation (Joint S.11/Future Truck)</td>
<td>K. Marko</td>
<td>3:30 – 4:30 pm</td>
<td></td>
</tr>
<tr>
<td>Study Group Planning Session (Closed)</td>
<td>K. Marko</td>
<td>4:30 – 5:30 pm</td>
<td></td>
</tr>
<tr>
<td>Study Group Business Session</td>
<td></td>
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</tr>
</tbody>
</table>

**S.12 On-Board Vehicle Electronics—Chairman: Brandon Fackey**

<table>
<thead>
<tr>
<th>Task</th>
<th>Time</th>
<th>Speaker</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>RP 1208D Update (PC Selection Guidelines for Service Tools)</td>
<td>L. Lackey</td>
<td>10 – 10:30 am</td>
<td></td>
</tr>
<tr>
<td>RP Updates (S.12)</td>
<td>K. DeGrant</td>
<td>10:30 – 11 am</td>
<td></td>
</tr>
<tr>
<td>RP 1210C Update (Windows API)</td>
<td>K. DeGrant</td>
<td>11 – 11:30 am</td>
<td></td>
</tr>
<tr>
<td>RP 1210 OEM Application Validation Testing</td>
<td>L. Long</td>
<td>11:30 am – Noon</td>
<td></td>
</tr>
<tr>
<td>RP 1226 Messaging Standardization</td>
<td>C. Villa</td>
<td>Noon – 12:30 pm</td>
<td></td>
</tr>
<tr>
<td>Open Wireless Vehicle Data Adapter API</td>
<td>R. Vogt</td>
<td>12:30 – 1:30 pm</td>
<td></td>
</tr>
<tr>
<td>RP 1210 Compliance</td>
<td>J. Bate</td>
<td>1:30 – 2 pm</td>
<td></td>
</tr>
<tr>
<td>Electronic Logging Devices (ELDs)</td>
<td>M. Ahart</td>
<td>3 – 3:30 pm</td>
<td></td>
</tr>
<tr>
<td>RP 1225 Update (ELD Security Risk Guidelines)</td>
<td>M. Ahart</td>
<td>3:30 – 4 pm</td>
<td></td>
</tr>
<tr>
<td>RP 1227 Update (Mobile Dev. Communication API)</td>
<td>C. York</td>
<td>4 – 5 pm</td>
<td></td>
</tr>
<tr>
<td>Telematics Compliance Standardization</td>
<td>B. Fackey</td>
<td>5 – 6 pm</td>
<td></td>
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<tr>
<td>Study Group Business Session</td>
<td></td>
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</tbody>
</table>

**S.14 Light- & Medium-Duty / Specialty Trucks—Chairman: Chris Lindquist**

<table>
<thead>
<tr>
<th>Task</th>
<th>Time</th>
<th>Speaker</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>RP 1411 Update (Light- &amp; Medium-Duty Auto Transmission Fluid Guidelines)</td>
<td>C. Lindquist</td>
<td>10 – 11 am</td>
<td></td>
</tr>
<tr>
<td>EPTD and Hybrid Auxiliary Systems for Work Trucks</td>
<td>A. Williamson</td>
<td>11 am – Noon</td>
<td></td>
</tr>
<tr>
<td>RP Updates (S.14)</td>
<td>C. Lindquist/P. Wion</td>
<td>Noon – 1 pm</td>
<td></td>
</tr>
<tr>
<td>Lumen Ratings Definition for White LED Worklamps</td>
<td>J. Davenport</td>
<td>1 – 2 pm</td>
<td></td>
</tr>
<tr>
<td>VMRS Code Development for Specialty Vehicles</td>
<td>J. Farke</td>
<td>3 – 4 pm</td>
<td></td>
</tr>
<tr>
<td>Vocational Duty Cycles for Aftertreatment Systems</td>
<td>C. Lindquist</td>
<td>4 – 5 pm</td>
<td></td>
</tr>
<tr>
<td>Study Group Business Session</td>
<td></td>
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</tr>
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</table>

**S.16 Service Provider—Chairman: Homer Hogg**

<table>
<thead>
<tr>
<th>Task</th>
<th>Time</th>
<th>Speaker</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Developing and Leveraging Next Generation Leaders</td>
<td>R. Jameson</td>
<td>11 am – Noon</td>
<td></td>
</tr>
<tr>
<td>Proper Vehicle Lifting Procedures and Equipment</td>
<td>R. Pop</td>
<td>Noon – 1 pm</td>
<td></td>
</tr>
<tr>
<td>Implementing TMC RPs in Fleet &amp; Service Provider Operations</td>
<td>J. Gingrich/B. Olsen</td>
<td>1 – 2 pm</td>
<td></td>
</tr>
<tr>
<td>Uptime Through Digital Exchange and Management</td>
<td>E. Erdmann</td>
<td>3 – 4 pm</td>
<td></td>
</tr>
<tr>
<td>Service Provider Standards of Excellence</td>
<td>J. Skinner</td>
<td>4 – 5 pm</td>
<td></td>
</tr>
<tr>
<td>RP Updates (S.16)</td>
<td>P. Savage</td>
<td>5 – 5:30 pm</td>
<td></td>
</tr>
<tr>
<td>Study Group Business Session</td>
<td></td>
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**S.17 Collision and Corrosion—Chairman: Kenny Junkin**

<table>
<thead>
<tr>
<th>Task</th>
<th>Time</th>
<th>Speaker</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Refinishing to Maximize Adhesion</td>
<td>C. Sterwerf</td>
<td>11 Noon</td>
<td></td>
</tr>
<tr>
<td>Frame Correction</td>
<td>B. Hinchcliffe</td>
<td>Noon – 1 pm</td>
<td></td>
</tr>
<tr>
<td>Heavy-Duty Collision Repair Roadmap</td>
<td>C. Sterwerf</td>
<td>1 – 2 pm</td>
<td></td>
</tr>
<tr>
<td>Corrosion Manual Update</td>
<td>D. Winn</td>
<td>3 – 4 pm</td>
<td></td>
</tr>
<tr>
<td>Cab &amp; Control Corrosion Control</td>
<td>T. May</td>
<td>4 – 5 pm</td>
<td></td>
</tr>
<tr>
<td>Corrosion of Non-Ferrous Materials on Chassis &amp; Suspension</td>
<td>B. Herrington</td>
<td>5 – 6 pm</td>
<td></td>
</tr>
<tr>
<td>Study Group Business Session</td>
<td></td>
<td></td>
<td>October 6 – 6:30 pm</td>
</tr>
</tbody>
</table>

**S.18 Automated & Electric Vehicles—Chairman: Kyle Mitchell**

<table>
<thead>
<tr>
<th>Task</th>
<th>Time</th>
<th>Speaker</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Automated Vehicles</td>
<td>A. Pandy</td>
<td>11 am – 12:30 pm</td>
<td>October 6</td>
</tr>
<tr>
<td>Electrified Vehicle</td>
<td>K. Otto</td>
<td>12:30 – 1:30 pm</td>
<td>October 6</td>
</tr>
<tr>
<td>Platooning</td>
<td>R. Bishop</td>
<td>2 – 3 pm</td>
<td>October 6</td>
</tr>
<tr>
<td>Automated Truck Inspection and Enforcement</td>
<td>D. Goff</td>
<td>3 – 4 pm</td>
<td>October 6</td>
</tr>
<tr>
<td>Roadmap for Electric Infrastructure</td>
<td>J. Gerrity</td>
<td>4 – 5 pm</td>
<td>October 6</td>
</tr>
<tr>
<td>Electrified Vehicle Technician Training</td>
<td>M. Williams/C. McQuillen</td>
<td>5 – 6 pm</td>
<td>October 6</td>
</tr>
<tr>
<td>Study Group Business Session</td>
<td></td>
<td></td>
<td>October 6 – 6:30 pm</td>
</tr>
</tbody>
</table>

**Educator Committee—Chairman: Jack Werner**

<table>
<thead>
<tr>
<th>Task</th>
<th>Time</th>
<th>Speaker</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Curriculum Development</td>
<td>J. Werner</td>
<td>10 am – Noon</td>
<td>October 6</td>
</tr>
<tr>
<td>Educator Involvement</td>
<td>G. Arrants</td>
<td>Noon – 1 pm</td>
<td>October 6</td>
</tr>
<tr>
<td>Credentials for Truck Program Instructors</td>
<td>J. Werner</td>
<td>1 – 2 pm</td>
<td>October 6</td>
</tr>
</tbody>
</table>

**Future Truck Committee—Chairman: Anthony Marshall**

<table>
<thead>
<tr>
<th>Task</th>
<th>Time</th>
<th>Speaker</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Future Electrical/Electronic Systems (in S.1 room)</td>
<td>A. Leseskys</td>
<td>10 – 11 am</td>
<td>October 6</td>
</tr>
<tr>
<td>Future Tire Reliability/Durability</td>
<td>A. Reese</td>
<td>11 am – Noon</td>
<td>October 6</td>
</tr>
<tr>
<td>Future Energy Conservation (Joint S.11/FT in S.11 room)</td>
<td>K. Marko</td>
<td>Noon – 1 pm</td>
<td>October 6</td>
</tr>
<tr>
<td>Augmented and Virtual Training</td>
<td>M. Johnston</td>
<td>Noon – 1 pm</td>
<td>October 6</td>
</tr>
<tr>
<td>Future Cab and Driver Interface</td>
<td>J. Adami</td>
<td>1 – 2 pm</td>
<td>October 6</td>
</tr>
<tr>
<td>Future Trailer Productivity</td>
<td>C. Lee</td>
<td>3 – 4 pm</td>
<td>October 6</td>
</tr>
<tr>
<td>Sensor-Enhanced Maintenance</td>
<td>W. Stegall</td>
<td>3 – 4 pm</td>
<td>October 6</td>
</tr>
<tr>
<td>Future Chassis and Brake Systems</td>
<td>E. Benge</td>
<td>4 – 5 pm</td>
<td>October 6</td>
</tr>
<tr>
<td>Future Alternate Propulsion Systems</td>
<td>L. Stumpp</td>
<td>5 – 6 pm</td>
<td>October 6</td>
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</table>
Are integrated powertrains creating efficiencies and economies for fleets — or are original equipment manufacturers (OEMs) and suppliers simply channeling equipment buyers into proprietary product lines? That’s a key question fleet managers are asking themselves as vertical integration becomes more deeply entrenched in the North American trucking industry. What strategies are most beneficial for your specific operation when specifying tractors? What overall factors should fleets consider first and foremost when it is time to purchase? As we continue to focus on reliability, economy, uptime and driver acceptance, a well-rounded understanding of today’s technologies and the multiple offerings in today’s markets will help you make the best decisions for your company. Today’s powertrains — whether integrated or not — rely heavily on networks. You’ve probably encountered terms such as public and private data networks, proprietary information, over-the-air updates, module calibration, incompatible devices, erratic/intermittent/incorrect data, lost communications on the J1939 backbone, abnormal update rate — the list seems to go on forever. Many of these challenges are now the bane of fleet managers’ existence. Join us as we explore what integrated powertrains really are, what all they entail and where industry experts think this trend is headed in the coming years. We will explore OEM offerings and gain insight as to what the future holds. This session will offer fleet perspectives as well as explore how telematics (fleet-and OEM-based) can help manage vehicles for the optimum performance. Come to this session and prepare yourself to address the challenges that face your company as it relates to tractor powertrain specification.

Technical Session #1—
Wednesday, September 16
11:15 am – 12:45 pm

How Do Integrated Powertrains Work and What Do They Mean for Your Fleet? The Pros and Cons of Vertical Integration

Trucking’s technician shortage is a well-documented phenomenon, and it’s one that has seen recent signs of improvement. The danger of backsliding remains, however, and fleet professionals need to realize resolving technician staffing issues is not a spectator sport. Industry must take a leading role, experts say.

The recent Covid-19 crisis has exacerbated current challenges in keeping truck bays staffed. Government and business leaders are beginning to understand the true economic impact of not having properly trained personnel to build, make and fix things — which is our economy grinding to a halt.

While student certifications through the National Institute for Automotive Service (ASE) Excellence has risen recently, and the TechForce Foundation is projecting a modest, but definite decrease in the expected number of open positions for diesel technicians in the coming years, it is uncertain how the nation’s ongoing coronavirus crisis will impact technician shortages going forward; therefore, the potential for a worsening labor market remains.

If your operation has not partnered with local/regional/national educational institutions to support the cultivation of commercial vehicle technicians, it is big part of the problem. Industry has several excellent success stories — Arkansas’ Be Pro Be Proud initiative and the aforementioned TechForce Foundation are two such examples — so there is no shortage of programs to emulate.

Attend this session and learn how your company can adopt best practices on supporting the career education community responsible for providing our next generation of technicians. Panelists will cover how to cultivate and foster:

• effective program advisory committees,
• creative business-to-education strategies to keep content and curriculum current and engaging,
• internships and apprenticeships with education as a partner, and;
• the importance of accreditation to technicians and upper management.

If your fleet continues to struggle with technician availability insecurities, this session is a must.

Technical Session #2—
Thursday, September 17
10 – 11:30 am

Supporting Education to Help Resolve Your Technician Shortage
Commercial vehicle electrical systems are changing, and so are diagnostic and repair strategies. As the industry moves to higher voltages, advanced driver assistance systems (ADAS), and more robust onboard vehicle networking communication solutions, fleets will be faced with new challenges in troubleshooting and maintaining vehicle electrical systems.

Technicians will be faced with new dangers associated with 48-volt and higher electrical systems, more like those building electricians face in terms of threats to personal safety. Laying a stray wrench across battery terminals will take on a whole new meaning with higher voltages than it does with traditional 12-volt systems. Tooling, diagnostic adapters and wiring repair will also change as technology pivots to Automotive Ethernet and vehicle connectivity alternatives.

Attend this session and learn what’s awaiting you on the technological horizon when it comes to diagnosing tomorrow’s commercial vehicle electrical systems. Panelists will present vehicle manufacturer, supplier and fleet perspectives for this important glimpse at the future of electrical/electronics vehicle diagnostics.

S.1 Electrical Study Group —
Wednesday, September 16
3 – 4 pm

It has been nearly four years since the U.S. Environmental Protection Agency (EPA) and the National Highway and Traffic Safety Administration (NHTSA) finalized a second round of standards (known as Phase 2) for medium- and heavy-duty trucks and trailers to both reduce greenhouse gas (GHG) emissions and improve fuel efficiency. The standards apply to “new” engines and Class 2b-8 trucks, as well as designated “new” trailers.

Targets for engines and trucks must be achieved in model years 2021, 2024, and 2027 and the deadlines for compliance are fast approaching. While fleet acceptance and purchases of fuel-efficient technologies under Phase 2 will directly determine the overall success of the rule, compliance is the responsibility of engine, truck and trailer manufacturers.

The rule does not mandate specific technologies but rather sets carbon and fuel efficiency performance standards for manufacturers to meet using numerous technology choices.

Attend this session and learn how engine and tractor manufacturers intend to comply with Phase 2 regulations and how their decisions will impact your maintenance operation. We’ll explore how engine and aftertreatment management is likely to change and what decisions fleets will have to make as they make their model year 2021 and 2024 buying choices.

S.3 Engine Study Group —
Wednesday, September 16
1:45 – 2:45 pm
STUDY GROUP SESSIONS

S.5 Is Your Parts Department Evolving Through Sensor-Based Maintenance

Fleet management’s primary goal in managing parts inventory is cost-effectively having the correct part, in the correct place, at the correct time. Whether managed centrally or at individual locations, fleet part departments will often base inventory breadth or depth on operational characteristics, such as perishable/time sensitive loads, remote locations, excess equipment and ease of substitution.

Inventory management systems, strategies and tactics become more complex as both fleet size, diversity and parts inventory value grows. Ideally, a part should always be in stock, but this is not always economically realistic. That’s why smart fleet managers establish objectives to manage part inventories effectively, depending on their primary desired outcomes such as:

- reducing capital/manpower employed,
- improving shop efficiency,
- decreasing parts related downtime, and;
- ensuring “same day” parts availability.

However, traditional parts management strategies may be called into question with the advent of new telematics and sensor-based maintenance reporting technologies. If a fleet’s vehicles are able to self-report and/or self-diagnose failures before they arise, how is that impacting parts management — especially if repairs are being made more frequently outside the fleet’s own service network between regularly scheduled service intervals?

Fleet managers ask yourselves:

- Have your inventory stocking levels changed because of new telematics reporting?
- How do sensor-based alerts affect inventory levels and is your fleet turning to more of a just-in-time parts delivery model?
- How has the recent Covid-19 pandemic affected your operation’s ability to secure needed parts?
- Have inventory turns changed?

Attend this session and learn from our expert panel what are the new and emerging trends in parts management for smart tractors and trailers.

S.5 Fleet Maintenance Management Study Group — Thursday, Sept. 17
2 – 3 pm

S.7 What Are Your Trailers Riding on and Why?

Next to safety, there’s nothing more important than your customer’s freight. How you specify your fleet’s trailers can make all the difference when it comes to protecting this precious cargo. Which begs the question — what are your trailers riding on and why?

Fleet managers have never had so many options when it comes to spec’ing trailers. Variations in suspensions, brakes and other chassis related options offer fleets great chances to customize their ride to their vocation, but how proficiently is your fleet taking advantage of today’s options?

Attend this session and learn from our expert panel what options make the most sense for various types of operations. We’ll explore stationary versus sliding bogies, spring versus air ride suspensions (yes, spring is making a comeback in some fleets), drum versus disc brakes, single vs. dual axle setups, and more. We’ll also cover TMC recommended practices on maintenance and repair of these systems.

If your operation hasn’t reconsidered its trailer specifications recently, this is a must-attend session.

S.7 Trailers, Bodies & Material Handling Study Group —
Thursday, September 17
11:45 am – 12:45 pm
S.11 Capabilities of Telematics to Evaluate Short- and Long-Term Fuel Economy and Other Vehicle Performance Factors

It's no secret within the trucking business that commercial transportation is becoming an increasingly high-tech industry and operating a trucking company is more complex than most of us realize. From vehicle dispatch, maintenance, driver support, and fuel efficiency tracking, fleets face many challenges. The good news is, technology is here help and fleet telematics is at the forefront of it all.

Practical applications of fleet telematics can be beneficial beyond location services. Telematics software can be integrated into almost every aspect of fleet management and fleet software, giving fleet managers complete control and providing drivers ease, access, and safety.

Attend this session as presenters will offer fleet experiences in achieving performance benefits with Class 8 tractors and trailers with the use of fleet telematics. Representatives from fleets as well as industry organizations will share data and case studies as to what works when it comes to managing fuel economy and other benefits for a range of different industry applications. We'll cover vehicle and trailer tracking, navigation and mobile data as it applies to fuel economy management.

S.11 Sustainability & Environmental Technologies

Study Group —
Wednesday, September 16
3 – 4 pm

S.14 Duty Cycles for Current and Future Aftertreatment Systems

Fleet managers of light- and medium-duty commercial vehicles are well aware that their equipment has been hit especially hard with the advent of aftertreatment emission systems — particularly in vocations that call for a high percentage of short run, pickup and delivery, and work-performing idle operations. Unfortunately, these challenges are not expected to become any easier as Phase 2 Greenhouse Gas (GHG) regulations take effect for model year 2021 and beyond.

Repair and operational data gathered from Phase 1 equipment reveals that how an individual fleet fares with aftertreatment largely depends on vocation and duty cycle. Accordingly, overcoming the new challenges posed by Phase 2 will also likely depend on how specific duty cycles (e.g., vocational, retail, last-mile delivery, on-highway, etc.) will impact next-generation aftertreatment system maintenance.

Attend this session and learn from our panel of experts how preventive/predictive maintenance programs will need to evolve to address the anticipated duty-cycle impacts to the newer aftertreatment technologies. We’ll also provide an overview of how Class 3-6 vehicles will be impacted by the Phase 2 GHG 2021 and 2024 emissions and fuel economy regulations, as well as how vehicle manufacturers are changing their designs to meet the regulations.

S.14 Light- & Medium-Duty and Specialty Trucks

Study Group —
Thursday, Sept. 17
2 – 3 pm
Maximizing Uptime from a Professional Technician Perspective

It’s safe to say that most fleet managers have a common understanding when it comes to the meaning of improving “downtime” and/or “uptime” in fleet operations. But how does that understanding sync with that of their technicians on the shop floor?

When delays occur in returning vehicle assets back to revenue-producing operation, do you consider why they occur from the technician perspective? Training, technology, access to repair information and virtual diagnostics all directly impact uptime. Does your company make the necessary investments in its technician workforce to meet uptime expectations?

During this session, which will feature the Council’s popular “talk show” format, our skillful moderators will probe a panel of fleet and service provider technicians’ understanding of how to successfully maximizing uptime. We will explore and discuss the “soft” skills that are so necessary to helping them and their peers impact fleet uptime in a positive way.

Attend this session and get a granular view from the technician on how tool availability can make a difference (e.g., digital multimeters versus oscilloscopes and other alternatives), how the Council’s TMCSuperTech program can help improve shop performance, and what is the number one productivity killer on the shop floor.

Collision Repair: You Don’t Know What You Don’t Know

The tsunami wave of technology that is enveloping the world of trucking has prompted collision specialists to replace tried and true repair methods with more advanced alternatives. Advanced driver safety systems, sensor-based telematics, and other technology advancements can make even the simplest fender bender a nightmare of unanticipated consequences. As a result, fleet managers in the very real position of not knowing what they don’t know when it comes to modern collision repair.

Nowadays, fleet managers must recognize there are static and dynamic calibrations that must be performed in various situations that may not be readily apparent, as well as other system resets that must be performed following collision repairs.

Fleet managers must also hold their collision repair providers accountable and verify all proper procedures are followed to ensure today’s safety systems are able to protect drivers, the motoring public and their bottom line.

Attend this session and learn from our expert panel what you need to know about the pitfalls of not properly following collision repair procedures on today’s advanced commercial vehicles.

My take home information from all of TMC’s meetings has been trends in equipment, where technology fits into what we see in our current fleet. TMC provides education and information to help maintain a fleet and keep up with the latest technology challenges we face each day.

— Dave Piliro, Director of Maintenance, Brinks

“Coming to the Fall Meeting and TMC meetings in general, really keeps you on the cutting edge of what’s new in the industry. You can catch up on new recommended practices put out by TMC and it’s really helpful to myself and all my other colleagues.”

Craig Biehl, Area Sales Manager, Dorman Products
REGISTRATION

How to Register For TMC’s 2020 Fall Meeting
You can fully register for TMC’s 2020 Fall Meeting by mail, fax or online.

Online is your fastest option. Go to: http://tmcfall.trucking.org

If you cannot register online, you may download a TMC registration form at http://tmcfall.trucking.org to register by mail or fax.

Mail: ATA Event Services
P.O. Box 101360
Arlington, VA 22210-4360
FAX: (703) 838-1701

TMC will not process your meeting registration over the telephone. Payment or credit card information must accompany your registration. First-timers: Be sure to register before August 14, 2020 since registration fees increase after that date.

Registration Fees
First-time fleet attendees are eligible for a $100 discount if registered on or before August 14, 2020.

On or before August 14, 2020
TMC or ATA Member $150
First-Time Fleet Member (TMC or ATA) $50
Non-Member $250
First-Time Fleet Non-Member $150

After August 14, 2020*
TMC or ATA Member $150
Non-Member $250

Meeting Confirmation
Registrants will receive emailed confirmations up to 24 hours after payment is processed. If you do not receive a confirmation, call ATA Event Services at (866) 821-3468, or email registrations@trucking.org. Please allow 3-4 business days for processing and receipt of registration confirmation email. The link to choose the session(s) (e.g., task force, study group, committee and educational meetings/sessions) you would like to attend will be included in your email confirmation. You must scroll down to the Finalize Your Registration and choose the Click Here link in order to finalize your session(s) selection and complete your meeting registration.

Cancellations/Refunds
If your plans to attend the meeting change, you may receive a refund up until August 14, 2020, less a $50 administrative charge. There will be no refunds or credits after August 14, 2020. Written cancellations accepted by fax (703) 838-1701 or email at registrations@trucking.org.

Substitution Policy
Only TMC Members receive the TMC Member registration rate. TMC is no longer allowing non-member individuals to substitute for a TMC member; however, exceptions may be made for certain extenuating circumstances. Call TMC staff at (703) 838-1763 for details.

NATMI
North American Transportation Management Institute

Certification Courses Offered This September for Maintenance Directors and Supervisors by NATMI, TMC

Want to become a certified maintenance professional? Now you can do it for less money and in less time!

TMC and the North American Transportation Management Institute (NATMI) have teamed up to strengthen and increase the visibility of the Certified Director of Maintenance certification (CDM/E) and Certified Supervisor of Maintenance certification (CSM/E). TMC’s Education Subcommittee and NATMI’s Oversight Committee have collaborated on examining, updating and enriching all aspects of the program, including certification requirements, scope, class schedules and locations, and educational content. The courses will be held ONLINE in conjunction with and following TMC’s 2020 Fall Meeting.

COURSES

Essentials of Fleet Maintenance Management will be held on Wednesday, September 16 through Thursday, September 17; certification exams will take place on Friday, Sept. 18.

This two-day course is applicable toward NATMI’s nationally recognized, university-accredited certification programs. Taking the courses are the first steps toward earning a credential that will help you become a more competent professional, earn industry recognition and credibility in court testimony. For more information on membership or how to become certified, call (303) 952-4013.

If you have the job experience, you can pay one lump sum that covers all fees for certification, and complete the process within 60 days of taking the training and exam.

How to Become a Certified Maintenance Professional...
Job Experience Required:

• Certified Director of Maintenance/Equipment (CDM/E): 5 Years (or 4 years if you have a college degree) of experience in fleet maintenance management
• Certified Supervisor of Maintenance/Equipment (CSM/E): 2 years in fleet maintenance profession

There are education and experience certification requirements as well. CDM/E and CSM/E candidates are full-time administrators who have ably demonstrated their expertise and leadership in establishing programs, policies, setting standards, and mastering new technologies and systems.

For more information, or to register, visit NATMI’s website at www.natmi.org.

HOW TO REGISTER
TMC’s Town Meeting & Fleet Operators’ Forum

TMC’s best-attended event is always its Town Meeting and Fleet Operators’ Forum. TMC’s Town Meeting provides an opportunity for the Council to present members and attendees with information about what’s happening within TMC. Reports are provided regarding Council membership, meetings, and exhibits, as well as TMC Recommended Practices, information reports, technical policy advisories and products. Additionally, a federal regulatory report is provided by the head of ATA’s Engineering Department. TMC’s Fleet Operators’ Forum immediately follows the Town Meeting. At the Fleet Operators’ Forum, fleet attendees bring up equipment problems that they have been unable to resolve successfully with their product manufacturer or supplier. An update is given later during the week at TMC’s Fleet Operators’ Forum Wrap-up. If you have an issue you wish raised, please contact TMC at (703) 838-1763.

Wednesday, September 16 — 10 - 11 am

Shop Talk

Shop Talk ranks consistently as the most popular feature at TMC general meetings. Shop Talk, open to all registered attendees, offers a unique chance to learn and share the tricks of the trade from the industry’s best experts. At this session, two veteran fleet managers will lead what will be a spirited discussion on what works or doesn’t work in vehicle maintenance. Our Shop Talk session also features the wrap-up to our Fleet Operator’s Forum at which resolutions to fleet concerns raised are presented.

Shop Talk

Thursday, September 17 — 3:15 – 4:45 pm

TMC’s Industry Keynote Presentation

Jeff Loftus, Technology Division Chief, Federal Motor Carrier Safety Administration (FMSCA)

TMC’s Industry Keynote Presentation will be presented by Jeff Loftus, who is currently the Chief of the Technology Division in the Federal Motor Carrier Safety Administration (FMCSA) Office of Analysis, Research, and Technology. He has more than 28 years of experience at the U.S. Department of Transportation in research and technology area with a focus on improving large truck and motorcoach safety. His division oversees the FMCSA’s Innovative Technology Deployment grant program that provides $20 million per year to states to deploy Intelligent Transportation Systems for commercial vehicle operations such as weigh station bypass systems and online electronic one-stop shopping for vehicle registrations, fuel tax filings, and other permits.

Loftus is currently leading a team of safety engineers and researchers focusing on various topics to enable the safe on-road testing and commercial deployment of automated trucking applications. These topics include truck driver human factors, sensor maintenance, vehicle component performance, automated vehicle roadside inspection procedures, and cybersecurity.

Loftus will share his insights on the current state of technology research at USDOT, and how TMC/ATA and other industry leaders are playing an important safety role in the adoption of advanced driver assistance systems (ADAS) through FMSCA’s new TechCelerateNow program.

Wednesday, September 16

1 – 1:30 pm

TMC New Technology Presentations

TMC’s New Technology Presentations inform Council members of innovative features or applications of new technologies without engaging in blatant merchandising, advertising, or harmful competitive references. Products presented should be in production and available to the industry at the time the request is made. Products on the market for more than two years will not normally be considered. Products shown must be a component, tool, or service used in the commercial transportation industry that is conceptually unique in its design — from a manufacturer or service supplier company which is an active TMC member in good standing. Marginal improvements or ‘upgrades’ of existing products will not be considered for presentation.

Wednesday, September 16 — 4:15 – 5:15 pm
National Technician Appreciation Week

ATA’s Technology & Maintenance Council (TMC) is pleased to announce the launch of the first National Technician Appreciation Week, scheduled for September 21-25. National Technician Appreciation Week will take place the week following TMC’s 2020 Fall Meeting — a virtual event — as well as National Truck Driver Appreciation Week.

While the ongoing COVID-19 crisis has forced the cancellation of the National Technician Skills Competitions (TMCSuperTech) and National Student Technician Competition (TMCFutureTech) for 2020, TMC is excited to begin this new endeavor aimed at celebrating the individuals without whom the trucking industry could not carry out its vital mission of hauling the nation’s freight.

TMC will celebrate the first-ever National Technician Appreciation Week by offering technicians a series of technically focused webinars in our online Professional Technician Development Committee (PTDC) Technician Training Fair. Five training sessions are planned; one for each day of the week. The topics that will be covered in our PTDC Training Fair are:

- Aftertreatment Diagnostics & Maintenance
- Electrical System Diagnostics
- Vehicle Data Network Diagnostics
- Collision Mitigation Systems
- How to Prepare for ASE Certification Testing

During this week, TMC also plans to recognize outstanding technicians in a number of ways:

- First, we will be asking industry stakeholders to nominate their “Technician Superstar,” a person who exemplifies excellence as a commercial vehicle technician. Winners will be selected for three categories: heavy-duty, trailer, and light/medium duty.
- Second, we will recognize the technician with the highest score on the ASE Preventive Maintenance Master Technician Certification Test for 2020 (cutoff: August 15, 2020).
- Third, we will recognize this year’s diesel tech winner of the TechForce Foundation’s “FutureTechs Rock Awards,” honored for outstanding contributions as a role model at school and in the community.

TMC will also encourage industry stakeholders to recognize their own outstanding technicians at their own companies, as well as thanking the nation’s technicians through social media and special advertising/sponsorship opportunities during the week of September 21-24.

Join us in celebrating the professionals who keep our nation rolling!
NOTE: Not all Task Forces listed below will meet at TMC’s 2020 Fall Meeting. For a list of all Task Forces that will meet in Atlanta, see pages 6 and 7.

**S.1 — ELECTRICAL**

**RP Updates (S.1)**
Chairman: Albert Mihic, Delco Remy, (765) 778-6541
This Task Force will review existing S.1 Recommended Practices and update them as needed.

**Fifth Wheel Ground Strap Installation Guidelines**
Chairman: Aaron Puckett, Fontaine Fifth Wheel, (205) 915-4854; Larry Rambeaux, Purkeys, Inc., (479) 531-7769
This Task Force will develop a Recommended Practice to provide a systems approach to properly install ground straps on heavy-duty truck fifth wheels and truck frames. The proposed RP will provide specific guidelines for the top selling fifth wheel product lines in the North American market and general guidelines for all fifth wheel product lines.

**RP 110C Update (Low-Tension Cable for Heavy-Duty Truck-Tractor Wiring Systems)**
Chairman: Fred Kelley, Prysmian Group, (586) 764-5422
This Task Force will update RP 110C, Low-Tension Cable for Heavy-Duty Truck-Tractor Wiring Systems.

**Electrical Infrastructure Safety and Interoperability for High-Power Electrical Refrigeration**
Chairman: Matt Srnec, Thermo King Corp., (971) 852-2660
This Task Force will develop a Recommended Practice for high-power electric trailer refrigeration unit plug-in standby trailer and ground-based infrastructure for safety and interoperability.

**Non-Connector Based Wiring Repairs**
Chairman: Larry Rambeaux, Purkeys, (479) 531-7769
This Task Force is developing procedural guidelines for wiring repairs not involving connectors.

**Next Generation Tractor/Trailer Electrical Interface**
Chairman, Paul Menig, Business Accelerants, (971) 222-5683
This Task Force will work to create backward-compatible, future-looking definition of tractor to trailer interface connections for improved safety, autonomous operation, enhanced diagnostics, and increased durability. It will consider both wired and wireless connectivity.

**RP 177 Update (Solar Panels for Commercial Vehicles)**
Chairman: Matt Srnec, Thermo King Corp., (952) 426-0104
This Task Force will develop a Recommended Practice offering guidelines on the application of solar power technology to commercial vehicles. It will define uses of solar power, identify variables affecting generation of power using solar cells, and offer recommendations on safety, maintenance, installation, specification and sizing of solar panels.

**Electrical Diagnostics Incorporating Lab Scopes**
Chairman: George Arrants, ASE Education Foundation (281) 850-1676
The Task Force will develop a Recommended Practice regarding dynamic diagnostics and communications systems utilizing lab scopes, and to provide an understanding of the wide range of testing and information retrieval of live data. Its purpose is to reduce “guesswork” on information and electrical circuits of 21st-century vehicles.

**Integrated Starting and Charging**
Chairman: Curtis Cummings, Borg Warner, (317) 607-1147
This Task Force will develop an RP to increase understanding of integrated starting and charging systems and provide a guideline for maintenance requirements.

**Cable Identification for Multi-Volt Electrical Systems**
Chairman: Fred Kelley, Prysmian Group, (586) 764-5422
This Task Force will develop an engineering recommended practice for heavy-duty truck multi-voltage electrical systems, including cable color, identification by power voltage level, and ground for 12Vdc, 24Vdc, 48Vdc and high voltage (>60 V).

**S.2 — TIRE & WHEEL**

**RP Updates (S.2)**
Chairman: Peggy Fisher, Tire Stamp, (248) 373-0312
This Task Force will review existing S.2 Recommended Practices and update them as needed.

**Tire Asset Management (Cradle to Grave)**
Chairman: Peggy Fisher, Tire Stamp, (248) 373-0312
This Task Force will develop a recommended practice on tire asset management—cradle to grave.

**Specification of Tires for Heavy-Duty Electric Vehicles**
Chairman: Daniel Shy, The Goodyear Tire & Rubber Company, (330) 283-3817
This Task Force will study and evaluate the need for a Recommended Practice covering specification of tires for heavy-duty electric vehicles.

**Repolishing Aluminum Wheels**
Chairman: Charles Bartley, Alcoa Wheels (814) 319-4051
This Task Force will develop guidelines for repolishing aluminum wheels.

**Kill the Mallet**
Chairman: Norman Ball, Ball Tire Industry Consultants, (913) 558-8101
The Task Force will conduct research into states that still permit checking of tire pressure using a mallet or tire iron during pre-trip inspections for the purpose of developing an information report or position paper.

**Aligning Vehicle Inspection Procedures for Tires with TMC Recommended Practices**
Chairman: Norman Ball, Ball Tire Industry Consultants, (913) 558-8101
This Task Force will examine vehicle inspection practice regarding tires for alignment with existing TMC Recommended Practices for the purpose of developing and information report or position paper.

**S.3 — ENGINE**

**RP Updates (S.3)**
Chairman: Paul Cigala, ExxonMobil Corp. (856) 404-1342
This Task Force will review existing S.3 Recommended Practices and update them as needed.

**RP 338 Update (Extended Service Interval Coolants)**
Chairman: Ronald Schornstein, Acustrip Company, Inc., (973) 698-0173
This Task Force will review RP 338 on extended service interval coolants and update as needed.
RP 371 Update (LNG/CNG)
Chairman: Dan Martin, Dual Green Consulting (512) 705-3113
This Task Force will update RP 371 pertaining to implementing, specifying and maintaining engines using either liquefied or compressed natural gas as a primary fuel.

RP 326 Update (Recycled Engine Coolant)
Chairman: Greg Mixon, The Penray Companies, (224) 254-7347
This Task Force will update RP 326, which offers guidelines for recycled engine coolant for heavy-duty diesels.

RP 364 Update (Fleet Purchasing Specification for Organic Acid Technology Extended Life Coolant)
Chairman: Peter Woyciesjes, Prestone Products Corp. (203) 731-8105
This Task Force will review and update RP 364, Fleet Purchasing Specification for Organic Acid Technology Extended Life Coolant

LNG/CNG Thermal Events
Chairman: Martin Martinelli, Old World Industries, (919) 219-1406
This Task Force will review and revise RP 312B, Diesel Additive Packages.

Guidelines for Smoke Detection
Chairman: Mark Hawkins, Redline Detection (714) 458-0461
This Task Force will develop a recommended practice for recovering and repair practices following thermal events associated with LNG/CNG fueled commercial vehicles.

Guidelines for Diesel Particulate Filter Cleaning
Chairman: Wayne Jobch, NARSA (724) 799-8415; Bruce Ballou, Clean Diesel Specialists, Inc. (714) 276-2020
This Task Force will develop a recommended practice for cleaning diesel particulate filters in Class 8 vehicles.

RP 365 Update (Coolant Maintenance Guidelines)
Chairman: Marty Martinelli, Old World Industries, (919) 219-1406
This Task Force will update RP 365, provides guidelines for developing a program to identify various types of heavy-duty aqueous coolants and ensure proper coolant quality.

RP 312B Update (Diesel Additive Packages)
Chairman: Joe Long, New World Industries, (203) 648-2849
This Task Force will review and revise RP 312B, Diesel Additive Packages.

Oil Viscosity Transition Planning and Implementation
Chairman: Greg Matheson, Lubrizol, (440) 347-5032; Paul Cigala, ExxonMobil, (856) 404-1342.
This Task Force will develop an RP to assist fleets in decision-making, planning and implementation for a program to utilize lower viscosity oils in shops and vehicles.
S.5—FLEET MAINTENANCE MANAGEMENT

VMRS Codes Committee
Chairman: Paul Moszak, Motor Information Systems, (585) 256-0375 x 203
The VMRS Codes Committee’s purpose is to explain the benefits and to foster the use of the Vehicle Maintenance Reporting Standard (VMRS) system. The Task Force also encourages the exchange of information and user problems between VMRS system users and establishes new parts codes as requested.

RP Updates (S.5)
Chairman: Jason Galbraith, Consolidated Metco, (503) 709-3698
This Task Force will review existing S.5 Recommended Practices and update them as needed.

Developing Key Performance Indicators
Chairman: Lew Flowers, Flowers Fleet Service, (405) 623-7572
This Task Force will develop a recommended practice on identifying key performance indicators for measuring fleet maintenance operations.

Cybersecurity Issues
Chairman: Mark Zachos, DG Technologies, (248) 488-2080
This Task Force will explore preventive cybersecurity methods; develop guidelines for fleets to create their own cybersecurity program; standardize over-the-air ECM programming through specific protocols that allow fail safe options and secure messaging; work with other associations to strengthen related standards by fleet user influence; examine the development of a reporting and responding alert program for industry users; and examine the possibility of developing a cyber-intrusion challenge track as part of the TMC SuperTech competition.

Internet of Things
Chairman: Steve Chaffee, Hitachi America, Ltd., (408) 643-5359
This Task Force will investigate issues pertaining to the emerging “internet of things,” including inter-networking of physical devices, vehicles, buildings, and other items that are embedded with electronics, software, sensors, actuators, and network connectivity that enable these objects to collect and exchange data.

RP 512A Update (Technician Staffing)
Ernesto Luzania, Penske Truck Leasing, (303) 386-2740; Travis Wynes, Mobile Transportation Service, (770) 568-4284
This Task Force will update the formula to calculate the number of technicians required to adequately staff a heavy-duty vehicle maintenance shop.

Technician Apprenticeship Standards
Chairman: Glen McDonald, Ozark Motor Lines, (901) 375-8501
The purpose of this task force is to start assembling information on the potential for standardizing technician apprenticeship programs. The group is a collaborative effort involving representatives from several TMC Study Groups and Committees including: Educator, Professional Technician Development, S.5 Fleet Maintenance Management and S.16 Service Provider.

Hiring Military Personnel
Chairman: Kirt Weaver, Hadley Products, (616) 608-1244
This Task Force is investigating pathways of hiring former military personnel to ease the current industry technician shortage.

S.6—CHASSIS & BRAKE SYSTEMS

RP Updates (S.6)
Chairman: Jack Vander Giessen, Meritor, Inc., (248) 761-3881
This Task Force will review existing S.6 Recommended Practices and update them as needed.

Rear Suspension Inspection Procedure
Chairman: John Knutson, Hendrickson Int’l, (630) 910-2688
This Task Force will develop a Recommended Practice for inspecting rear suspensions on heavy-duty commercial vehicles.

RP 648 Update (Troubleshooting Ride Complaints)
Chairman: James Holman, Dana Holding Corporation, (419) 390-5730
This Task Force is updating RP 648, which offers guidelines on troubleshooting ride complaints.

Wheel End Thermal Events (Joint S.6/S.7)
Chairmen: Lee Long, Southeastern Freight Lines, (803) 339-3602; Hank Schneider, Sealco Commercial Vehicle Products, (815) 338-8991
This Task Force is conducting research to establish guidelines for investigation and correction of wheel end thermal events.

RP 608B Update (Brake Drums and Rotors)
Chairman: Greg Sturdy, Gunite, (815) 490-6416
This Task Force will update RP 608B covering the specification process needed for the selection and integration of disc brakes into existing fleets of vehicles equipped with drum brakes.

RP 642B Update (Total Vehicle Alignment)
Chairman: Stephen Lemnah, Hunter Engineering Company, (314) 716-0597
This Task Force is updating information regarding total alignment procedures.

RP 605 Update (Brake Shoe Reconditioning)
Chairman: Matt Williams, Meritor, Inc. (248) 435-1096
This Task Force is updating guidelines for reconditioning brake shoes.

RP 652 Update (Service and Inspection of Air Disc Brakes)
Chairman: Randall Petresh, Haldex Brake Products Corp., (816) 801-2335
This Task Force will update recommendations for the inspection and maintenance of air disc brakes.

RP 602/626 Update (Towing Procedures)
Chairman: Jack Vander Giessen, Meritor, Inc., (248) 761-3881
This Task Force will update RPs 602 and 626 facilitate recovery of vehicles from their immediate location of disablement, and for long-term towing of disabled and wrecked vehicles.

RP 614A Update (Air Brake Tubing and Fittings)
Chairman: Jeff Kruse, Camozzi Pneumatics, (214) 727-3505
This Task Force will update RP 614A for fleet maintenance of air brake connections utilizing fractional-inch, non-metallic tubing.

Towing Electric Vehicles
Chairman: Jack Vander Giessen, Meritor, Inc., (248) 761-3881
This Task Force will develop a Recommended Practice covering guidelines for the towing of electric commercial motor vehicles.
S.7—TRAILERS, BODIES & MATERIAL HANDLING

RP Updates (S.7)
Chairman: Hank Schneider, Sealco Commercial Vehicle Products, (815) 338-8991
This Task Force will review existing S.7 Recommended Practices and update them as needed.

RP 755 Update (Alternative Liftgate and Material Handling Charging Methods)
Chairman: Larry Disque, Leyman Liftgate Company (336) 210-2604; Larry Rambeaux, Purkeys, (479) 531-7769
This Task Force will update supplementary charging methods for batteries used on Class 6-8 combination vehicles equipped with power lift gates and/or material handling equipment.

RP 708C Update (Trailer Axle Alignment)
Chairman: Dan Cordier, Hutchens Industries, Inc., (407) 862-5012
This Task Force is updating RP 708C covering trailer axle alignment.

Cryogenic Cooling Systems
Chairman: Peter Jacobsen, Boreas Nitrogen Cooling Systems, (248) 629-3308
This Task Force will develop a Recommended Practice covering general information and safety attributes of cryogenic cooling systems for the refrigeration of trailers in transportation.

Van Trailer Washing Procedures and Testing
Chairman: Richard Brown, Transervice Leasing Corp., (610) 248-6732
This Task Force will develop a Recommended Practice for washing van trailers and testing the efficacy of wash practices.

Heavy-Haul Trailer Issues
Chairman: Kevin Tomlinson, South Shore Transportation, (419) 357-2805; Scott Bartlein, Barry Trucking, (414) 397-0955
This Task Force will explore maintenance and specification issues of particular importance to fleets using trailers in heavy-haul operations.

Wheel End Thermal Events (Joint S.6/S.7)
Chairman: Lee Long, Southeastern Freight Lines, (803) 939-3602; Hank Schneider, Sealco Commercial Vehicle Products, (815) 338-8991
This Task Force is conducting research to establish guidelines for investigation and correction of wheel end thermal events.

Next Generation Trailer Electrical Architecture
Chairman: Paul Menig, Business Accelerants, (971) 222-5823
This Task Force will work to create backward-compatible, future-looking trailer electrical architecture for improved safety, autonomous operation, enhanced diagnostics, and increased durability. It will consider both wired and wireless connectivity to provide a futureproof, reliable, and easily maintained electrical and information network on trailers, in parallel with development of connection recommendations being developed under the S.1 Task Force.

Trailer Load Hold-Down Repairs
Chairman: Rich McRea, North Central Utility, (855) 259-3955
This Task Force will develop practices for maintenance and repair load securement devices and their mounting structures on trailers.

S.11—SUSTAINABILITY & ENVIRONMENTAL TECHNOLOGIES

RP Updates (S.11)
Chairman: Bob Wessels, Silver Spark Plug, (731) 463-4350
This Task Force will update Recommended Practices within S.11 as needed.

Alternative Energy Implementation Elements
Chairman: Justin Gerrity, Gerrity Heavy Duty Truck Sales, (732) 606-7480
This Task Force is developing information for fleets to use in their business justification documentation when considering adding alternative energy assets.

Smartway Activities
Chairman: Doug Johnson, Driveway, (877) 393-3939
This Task Force will present an ongoing series of informational presentations regarding EPA SmartWay’s Greenhouse Gas Emissions Model (GEM) for medium- and heavy-duty vehicle compliance.

RP 1118 Update (Cost Modeling for Aerodynamic Devices)
Chairman: Amy Winfield, Suburban Seating and Safety, (973) 778-9227
This Task Force will develop a calculative tool to evaluate the cost and value of aerodynamic device investments for use by fleet managers and other industry professionals.

55 vs 65+ Technical Report Update
Chairman: Kenneth Marko, Frito-Lay N.A., (972) 334-5120
This Task Force will update TMC’s information report entitled “55 vs. 65+,” covering the effect of higher speeds on fuel economy.

Chairman: Kenneth Marko, Frito-Lay North America, (972) 334-5120
This Task Force will develop position papers that will challenge the industry to implement change in practices and performance as it relates to energy conservation.

Terminal Tractor Powertrain Options
Chairman: Patrick Seeberg, Meritor, Inc., (248) 435-1382
This Task Force will develop a recommended practice on alternatively fueled spec’ing options for terminal tractor powertrains.

RP 1105 Update (Idle Limiting Systems)
Chairman: Brad Wilson, Titan Transfer, Inc., (931) 488-0308
This Task Force will update RP 1105 dealing with idle limiting systems for heavy-duty commercial vehicles.

RP 1112 Update (Lightweight Components Effect on Fuel Economy)
Chairman: Celeste Herpel, Airodyne Industries, (248) 548-3336
This Task Force will review the current relevance of RP 1112 Lightweight Components Effect on Fuel Economy and the need for revisions, if necessary.

RP 1113 Update (Guidelines for Driver Incentive Programs)
Chairman: Celeste Herpel, Airodyne Industries, (248) 548-3336
This Task Force will review and revise guidelines for incentives for drivers to improve fuel economy and reduce costs.

RP 1109B Update (Type IV Fuel Economy Test Procedures)
Chairman: Kenneth Marko, Frito-Lay North America, (972) 334-5120
This Task Force will update RP 1109B, Type IV Fuel Economy Test Procedures.
S.12—ON-BOARD VEHICLE ELECTRONICS

Telematics Compliance Standardization
Chairman: Brandon Fackey, Clarke Power Systems, (513) 842-4731

This Task Force will develop guidelines for standardization of telematics data.

RP 1210C Update (Windows API)
Chairman: Ken DeGrant, Diesel Laptops, (888) 983-1975

This Task Force will update RP 1210C, Windows Application Program Interface.

RP 1210 OEM Application Validation Testing
Chairman: Lee Long, Southeastern Freight Lines, (803) 794-0047

This Task Force will develop a recommended practice to help vendors of vehicle datalink adapters (VDAs) conduct validation testing of their devices to original equipment manufacturer (OEM) vehicles/equipment.

RP Updates (S.12)
Chairman: Ken DeGrant, Diesel Laptops, (888) 983-1975

This Task Force will review existing S.12 Recommended Practices and update them as needed.

RP 1225 Update Electronic Logging Devices
Chairman: Michael Ahart, Omnitracs, LLC, (469) 801-2510

This Task Force is developing recommended practices for emerging electronic on-board recorder devices.

Connected Vehicle
Chairman: Michael Ahart, Omnitracs, LLC, (469) 801-2510

This Task Force is developing a technical policy advisory based on the notice of proposed rulemaking on connected vehicle technologies issued by the National Highway Traffic Safety Administration (NHTSA). The Task Force will attempt to review technical implementation concerns associated with connected vehicle technologies as well as security, driver interaction issues.

RP 1226 Messaging Standardization
Chairman: Chuck Villa, Volvo Trucks, (336) 662-1619

This Task Force is developing a Recommended Practice that defines messages and standards for RP 1226, which covers telematics and on-board diagnostic accessory connectors.

RP 1210 Compliance
Chairman: John Bate, Volvo Trucks, (336) 393-2000

This Task Force will develop recommendations for ensuring industry compliance among manufacturers and suppliers with TMC RP 1210, Windows Application Program Interface.

RP 1227 Update (Mobile Device Communication API)
Chairman: Chris York, Cummins, (812) 377-5722

This Task Force will establish a recommended practice for an application program interface (API) between the physical datalink (i.e., CAN/J1939), a vehicle datalink adapter (VDA) and mobile device software applications for onboard electronic control unit communications.

RP 1208D Update (PC Selection Guidelines for Service Tool Applications)
Chairman: Lee Lackey, Noregon Systems, (336) 217-7434

This Task Force will review RP 1208D, which addresses the acquisition and use of off-board personal computers (PCs) for vehicle diagnosis, repair, and maintenance management.

Open Wireless Vehicle Data Adapter (API)
Chairman: Robert Vogt, I0SIX, (734) 730-9690

This Task Force will establish a Recommended Practice for an application program interface (API) for Open Wireless Vehicle Data Adapters, to allow access to vehicle data via WiFi or web services.

RP 1225 Update (General Guidelines for Security Risk Analysis of Electronic Driver Log Systems)
Chairman: Michael Ahart, Omnitracs, LLC, (469) 801-2510

This Task Force is updating RP 1225 covering threat assessments for electronic logging devices.

S.14—LIGHT- AND MEDIUM-DUTY & SPECIALITY TRUCKS

RP Updates
Chairman: John Walborn, Dossier Systems, (717)731-2685

This Task Force will review existing S.14 Recommended Practices and update them as needed.

E-PTO and Hybrid Auxiliary Power Systems in Vocational Vehicles
Chairman: Adam Williamson, Altec Industries, (813) 372-0058

This Task Force will explore application of electric PTOs and hybrid auxiliary powertrains to work-performing platforms/systems in Class 2-6 and vocational vehicles.

Work Truck Platform Hybridization
Chairman: Rich Winters, Verizon, (717) 771-5312

This Task Force will explore application of hybrid powertrains to work-performing platforms/systems in Class 2-6 and vocational vehicles.

RP 1431 Update (Fuels and Motive Energy Label)
Chairman: Rich Winters, Verizon, (717) 771-5312

This Task Force will update RP 1431 which covers design guidelines for fuels and motive energy advisory annotations and warning labels.

RP 1514 Update (Hydraulic System Failure Analysis)
Chairman: Dan Knechtel, Waltco Hydraulic Lifts, (330) 241-7072

This Task Force will update RP 1514 which covers hydraulic system failure analysis on light- and medium-duty trucks.

RP 1412 Update (Walk-in Van Electrical System Routing/Load Requirements)
Chairman: Lou Stumpp, Navistar, Inc., (317) 892-3054

This Task Force will update RP 1412 covering walk-in van electrical system routing/load requirements for light- and medium-duty vehicles.

RP 1411 Update (Light- & Medium-Duty Automatic Transmission Fluid Guidelines)
Chairman: Chris Lindquist, Altec Industries, (719) 313-7520

This Task Force will update RP 1411 covering automatic transmission fluid guidelines for Class 2-6 and vocational vehicles.

Inspection of CMV Axle and Transmission Fluid Levels
Chairman: Lou Stumpp, Navistar, Inc., (317) 771-5312

This Task Force will develop a Recommended Practice to correctly inspect fluid levels in axles and transmissions of commercial motor vehicles.
Lumen Ratings Definition for White LED Worklamps
Chairman: Jay Davenport, Maxxima, (517) 745-3078
This Task Force will develop a Recommended Practice to define lumen ratings for white LED worklamps.

Vocational Duty Cycles for Aftermarket Systems
Chairman: Chris Lidquist, Altec Industries, (719) 313-7520
This Task Force will develop guidelines regarding duty cycles for various aftermarket systems used in vocational vehicles.

VMRS Code Development for Specialty Vehicles
Chairman: Joe Farke, Altec Industries, (816) 901-4856
This Task Force will work with the TMC VMRS Codes Committee (S.5) to identify and develop new categories pertaining to Specialty Vehicle equipment and systems.

S.16 — SERVICE PROVIDER

RP Updates
Chairman: Peter Savage, Clarke Power Services, Inc., (513) 719-2313
This Task Force will review existing S.16 Recommended Practices and update them as needed.

Implementing TMC RPs in Fleet and Service Provider Operations
Chairman: Jill Gingrich, WheelTime Network, (313) 475-3135; Brad Olsen, FedEx Freight, (870) 704-5247
This Task Force will develop guidelines for implementing/utilizing TMC Recommended Practice in fleet and service provider operations.

Developing and Leveraging Next Generation Leaders
Chairman: Robert Jameson, Clarke Power Services, Inc., (317) 519-3154
This Task Force will develop recommendations for programs that develop and foster next generation leadership in service provider operations.

Proper Vehicle Lifting Procedures and Equipment
Chairman: Radu Pop, Stertil-Koni, (470) 717-3127
This Task Force will develop recommended practices to help shop managers choose the correct types of lifting equipment for their type of maintenance operations, and general safety, productivity and ergonomic considerations.

Uptime Through Digital Exchange and Management
Chairman: Evan Erdmann, Clarke Power Systems, (513) 260-0347
This Task Force will develop a Recommended Practice to help Service Providers effectively use digital information to plan and complete service or maintenance events in the most efficient manner possible.

Establishing Standards of Excellence for Service Providers
Chairman: Jim Elkins, Velocity Truck Centers, (623) 907-6636
This Task Force will develop a Recommended Practice for standardized quality performance measurements for service providers.

S.17 — COLLISION & CORROSION

Cab and Controls Corrosion Control
Chairman: Tim May, Minimizer, (507) 774-9292
This Task Force will develop guidelines for dealing with corrosion as it relates to cab and control systems.

Corrosion of Non-Ferrous Materials on Chassis and Suspension
Chairman: Brian Herrington, ATRO Engineered Systems, Inc., (216) 970-4066
This Task Force will investigate the impact of corrosion on rubber on chassis and suspension components.

Corrosion Manual Update
Chairman: Dennis Winn, Accuride Corp, (660) 651-7468
This Task Force will update the TMC Corrosion Manual.

Refinishing to Maximize Adhesion
Chairman: Chris Sterwerf, Fairfield Auto & Truck Svc., (513) 874-5857
This Task Force will develop recommendations for Heavy Duty Collision Repairs (HDCR) to improved paint and coatings adhesion during the refinishing operation.

Heavy-Duty Collision Repair Roadmap
Chairman: Chris Sterwerf, Fairfield Auto & Truck Svc., (513) 874-5857
This Task Force will develop a roadmap/flowchart for the steps needed to take a truck or trailer involved in a collision and make it road ready and safe for service. The flowchart will consider safety, cost and equipment utilization, and identify areas for future Task Force development.

Frame Correction
Chairman: Bill Hinchcliffe, Truck Frame and Axle Repair Association, (585) 703-4295
This Task Force will develop guidelines and practices for fleets and collision repair operations to return damage frames to proper specifications in order for the vehicle to function safely.

S.18 – AUTOMATED & ELECTRIC VEHICLES

Electrified Vehicles
Chairman: Kevin Otto, Retired Silver Spark Plug, (812) 447-9311
This Task Force is exploring the need for recommended practices, information reports and/or position papers on medium- and heavy-duty electric trucks.

Platooning
Chairman: Richard Bishop, Richard Bishop Consulting, (443) 695-3717
This Task Force is exploring the need for recommended practices and developing a position paper on autonomous truck technologies.

Automated Vehicles
Chairman: Ananda Pandy, ZF TRW, (765) 429-1770
This Task Force is exploring the need for recommended practices, information reports and/or position papers on medium- and heavy-duty automated trucks.

Automated Truck Inspection and Enforcement
Chairman: Daniel Goff, Kodiak Robotics, Inc., (646) 515-3933
This Task Force is exploring the need for recommended practices, information reports and/or position papers on medium- and heavy-duty commercial trucks including compliance with North American Standard Out-Of-Service criteria.
**Roadmap for Electric Infrastructure**  
Chairman: Justin Gerrity, Gerrity Heavy Duty Truck Sales, (732) 606-7480  
This Task Force will develop guidelines for design and maintenance of infrastructure to support electric commercial vehicle fleet maintenance operations.

**Electrified Vehicle Technician Training**  
Chairman: Michael Williams, Daimler Trucks, North America, (336)467-3586; Chris McQuillen, Hirschbach Motor Lines, Inc., (402) 404-2813  
This Task Force will develop guidelines for the training of technicians to support electric commercial vehicle fleet maintenance operations.

**PROFESSIONAL TECHNICIAN DEVELOPMENT COMMITTEE**

**Technician/Student Skills Competition**  
Chairman: Randy Patterson, Bridgestone Commercial Solutions, (601) 209-1946  
This Task Force is developing procedures for implementing a national technician and student skills contest under the auspices of TMC.

**Future Technician Scholarships**  
Chairman: Robert Bazzel, Alcoa Wheels, (216) 633-5357  
This Task Force is examining means of establishing technician scholarship programs.

**Fostering State Trucking Association Competitions**  
Chairman: Bonne Karim, Retired Silver Spark Plug, (405) 641-5241  
This Task Force is examining means of establishing state trucking association competitions for technician excellence that participate in TMCSuperTech.

**EDUCATOR COMMITTEE**

**Educator Involvement**  
Chairman: George Arrants, ASE Education Foundation, (281) 850-1676  
This Task Force will develop recommendations for increasing educator involvement in ATA’s TMC.

**Curriculum Development**  
Chairman: Jack Werner, Western Technical College, (915) 539-1590  
This Task Force will develop recommendations for improvement of technician school curriculum programs.

**NATMI Curriculum Advisory**  
Chairman: Robert Braswell, TMC, (703) 838-1776  
This Task Force will develop recommendations and materials for the curriculum of the North American Transportation Management Institute’s (NATMI) Certified Director/Supervisor of Maintenance programs.

**Credentials for Truck Program Instructors**  
Chairman: Jack Werner, Western Technical College, (915) 539-1590  
This Task Force will develop recommendations for documenting the qualifications of instructors in technician school programs.

**FUTURE TRUCK COMMITTEE**

**Future Electrical/Electronic Systems**  
Chairman: Al Lesesky, Vehicle Enhancement Systems, (440) 241-3598  
This Task Force keeps abreast of the latest in heavy-duty electrical systems and explores new and emerging electrical/electronic system technologies. The Task Force then makes these new technologies known to TMC members and provides information on benefits and possible problems and solutions.

**Future Tire Durability & Reliability**  
Chairman: Anthony Reese, Michelin, North America, (404) 626-0163  
This Task Force will attempt to discover causes and solutions to problems that limit tire durability and reliability in order to reduce tire operating costs. All causes of tire failures—including operation hazards, maintenance problems, manufacturing defects and retread and repair errors—will be addressed.

**Future Cab and Driver Interface**  
Chairman: John Adam, NW Heavy Duty, Inc., (425) 633-4309  
This Task Force keeps abreast of the latest issues and information affecting the tractor and the driver. At present it is dealing with driver interface issues.

**Future Trailer Productivity**  
Chairman: Chris Lee, Great Dane Trailers, (912) 644-2250  
The Future Trailer Task Force keeps TMC members abreast of the latest in trailer technology, including aerodynamics, and addresses feasibility of new trailer technologies.

**Future Energy Conservation (Joint S.11/FT)**  
Chairman: Doug Memering, Cummins, Inc., (812) 377-2415  
This Task Force will develop position papers that will challenge industry to implement change in practices and performance as it relates to energy conservation.

**Future Chassis and Brake Systems**  
Chairman: Eric Benge, Walmart Transportation, (479) 277-9855  
The purpose of this Task Force is to develop position papers and information reports that will challenge industry to implement changes in practices and performance as it relates to chassis and brake systems.

**Augmented and Virtual Training**  
Chairman: Matt Johnston, Design Interactive, (703) 578-1544  
This Task Force will explore the application of virtual/augmented training simulation software to commercial vehicle maintenance.

**Future Alternate Propulsion System**  
Chairman: Lou Stump, Navistar, Inc., (317) 892-3054  
This Task Force will explore the future alternate options for vehicle propulsion in commercial vehicles.

Register Now!
FREQUENTLY ASKED QUESTIONS

Q: How do I participate in TMC’s new virtual event?
A: Register online. Shortly after you should receive a confirmation email with further instructions on selecting sessions to attend via Webex. After making your selections, a calendar reminder will be sent to your smartphone/tablet/laptop/PC/electronic device with instructions, links and access codes to access each session selected. If you do not receive a registration confirmation email within 24 hours, please first check your spam folder to ensure it has not been flagged. If not, please contact Registrations at (866) 821-3468; email: registrations@trucking.org.

NOTE: Calendar reminders will not be sent for TMC Task Forces. All TMC Task Forces will meet on Tues., Sept. 15 via telephone conference call — not Webex. Call-in instructions on how to join Task Force meeting calls will be provided as part of the meeting confirmation process. Task Force participants will be able to access presentations, documents, etc., via the Council’s online collaborative platform TMC Connect.

Q: I would like to register for additional sessions — how do I add these to my schedule?
A: To add sessions to your selected list after your initial selections are made, please reference your TMC registration confirmation email to access the Webex registration link. NOTE: Registration is not required for “Closed” Meetings. Special Webex invitations with instructions for joining will be sent for the closed sessions.

Q: Do I need to download any software in order to participate in the virtual version of TMC’s 2020 Fall Meeting?
A: Once registered, when you click the link in your Webex confirmation email to join a session, a prompt will appear to download and install the Webex plug in. You are encouraged to test your connectivity beforehand by going to https://www.webex.com/test-meeting.html and join the test meeting.

Q: What devices can I access the virtual event from?
A: For the best experience, please join sessions from a laptop or desktop — especially if participating as Host/Presenter, and if your participation involves voting or audience interaction.

Q: What if I have technical issues with the virtual sessions?
A: Call our Technical Issues Hotline at (703) 838-7919 for technical assistance or email MISadmin@trucking.org.

Q: Can only TMC Members register?
A: Anyone can register for TMC’s 2020 Fall Meeting (http://tmcfall.trucking.org). TMC Members and individuals from an ATA-member company enjoy discounted meeting registration rates.

Q: Who can I talk to regarding sponsorships?
A: Contact Dan Duggan or Janine Taylor at the ATA Sponsorship and Exhibits department. (703) 838-1756; dduggan@trucking.org; (703) 838-1923; jtaylor@trucking.org

Q: Will TMC Task Forces also meet at TMC’s 2020 Fall Meeting?
A: Yes, TMC Task Forces will meet via telephone conference call and online using TMC Connect during TMC’s 2020 Fall Meeting on Tuesday, September 15. Attendees will not sign up for individual task forces, but rather call into specific task forces using telephone conference line access credentials assigned to each parent Study Group for the day. Your access instructions provided will allow you access to any task force within a given Study Group on Tuesday. Come and go as you please during Task Force day.

Q: To access the sessions for TMC’s 2020 Fall Meeting, will TMC use the ATA Events Mobile App used for in-person events?
A: No, all sessions and materials will be accessed via Webex, except for Task Forces which will use a combination of telephone conference lines and TMC Connect.

Q: As an attendee, will I be seen on video?
A: If participating as an audience member, you can view presenters by video, however your video will not be activated (If you are participating in any session as a presenter, your Webex video capabilities will be activated). If you are participating in a leadership committee meeting, all participants will be able to share video and audio. If you are participating in a Task Force, all participants will be able to share via telephone audio and download presentations/documents via TMC Connect.

Q: Will Q&A be permitted during the sessions? How will I be able to share a comment or question?
A: All sessions will have the ability for attendees to ask questions. When the session moderator/leader asks for any questions or comments, attendees will have the option to comment or ask questions by “raising a hand” or typing a question into the Q&A window located on the right side of the screen. The procedure for speaking within the session varies depending on the session type. See FAQs on TMCFALL.TRUCKING.ORG for more info.

For Technical Sessions/Study Group Sessions/Town Meeting: All audience members will be automatically muted for the session. To “raise a hand,” participants must click on the hand icon on the right side of the screen. Once the moderator/leader announces your name and asks for your comment/question you will be unmuted to speak, and will be muted again when done speaking.

For Leadership Committee Meetings: Participants will not be muted by default and can speak freely during the session. However, we ask that if you are not speaking, please mute your audio as a courtesy to others. For Task Force Meetings: Participants will not be muted by default and can speak freely during the telephone conference call session. Again, we ask if you are not speaking, please mute your audio as a courtesy to others.

Q: Will attendance be taken during sessions?
A: Yes, but how this is handled depends on the session type. For all sessions except Task Force Meetings, attendance is recorded automatically when you logon to an individual session. For Task Force Meetings, since individuals will register for Task Force “tracks” by Study Group and not specific individual Task Force Meetings, roll call will be taken at the start of each individual Task Force Meeting to register attendance.

Q: Will sessions at TMC’s 2020 Fall Meeting be recorded and made available after the event is over?
A: TMC’s Operating Manual and Bylaws specifically prohibit audio/visual recordings of TMC general meetings. So, recordings will not be made or be available. Presenter PowerPoints will be shared if we have received permission to do so. Meeting minutes/presentation highlights will be sent to all TMC members following the event via the Council’s technical journal The Trailblazer, which contains the official proceedings of TMC general meeting.
FUTURE TMC MEETINGS

2021 Annual Meeting & Transportation Technology Exhibition
March 8-11, 2021
Orange County Convention Center
Orlando, Fla.

2021 Fall Meeting & National Technician Skills Competitions
September 12-14 (Competitions)
September 14-16 (2021 Fall Meeting)
Huntington Convention Center
Cleveland, Ohio

Technology & Maintenance Council
American Trucking Associations, Inc.
950 N. Glebe Road, Suite 210, Arlington, VA 22203
(703) 838-1763 • http://tmc.trucking.org

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