



TMC 2023

ATA'S TECHNOLOGY & MAINTENANCE COUNCIL

FALL MEETING & National Technician Skills Competitions



Excellence in Maintenance for Quality Control

SEPTEMBER 17-21, 2023 | CLEVELAND, OHIO | HUNTINGTON CONVENTION CENTER

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#TMCFall23

Electrical Vehicle Shop Bay Planning



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- Technology & Maintenance Council

... Turning Experience Into Practice

ATTENTION PLEASE

- In accordance with TMC Board Policy, all personal phones without a silent feature must be turned off during business sessions.
- If you must use your phone —please leave the room!



ATTENTION PLEASE

- This is an open meeting of the Technology & Maintenance Council, held in accordance with ATA Antitrust Guidelines which are listed in your meeting packet.
- Audio or video recordings are not permitted at this session. However, photography is permissible.
- The opinions expressed in this meeting are those of the individual and not necessarily the opinion of his/her company nor of TMC unless stated otherwise.

ANTITRUST/PATENT DISCLOSURE

- To minimize the possibility of antitrust problems, the guidelines detailed in your registration packet should be followed at all TMC meetings, task force and study group sessions.
- All participants in any group involved in the development of standards or recommended practices shall disclose, as stated in the antitrust/patent disclosure guidelines in your registration packet, all patents or patent applications that are owned, controlled or licensed by the Participant or Participant's employer when the Participant reasonably believes such patent or patent application may become material to the standard or RP development process.

Constructive Comments Are Always Appreciated!

- TMC welcomes your comments, but please make certain that they are constructive and appropriate before you turn in your evaluation sheet!
- *Thank You for Your Cooperation!*

Agenda: Electrical Vehicle Shop Bay Planning

New Business

Leadership:

- Adam Krey Chairman & Matt Fracosky Co-Chairman
- David Kegley- Fleet Co-Chair
- Joe Christoffel- Co-Chair
- Bailey Stephenson- Secretary

RP Development

- Purpose and Scope
- Relevant supporting content
- Additional supporting thoughts from Task Force

Adjournment

Purpose

To provide guidelines towards a standardization for a Battery Electric Vehicle service bay

Scope

Relevant to the service bay regardless if it's existing or new construction

RP Topics

- Safety: Specific RP being developed in Task Force: Safety Aspects of EV Taskforce
- Minimum Requirements for a sufficient work area
- Cleanliness of shop area (some particles are conductive)

Minimum Requirements For Sufficient Work Area

- Existing Construction and New Construction:
 - Shop layout and workflow- Water intrusion
 - AC- Low voltage (Diagnostics or improvised charging)
 - DC-Fast Charger
 - Adequate lighting to see the work being performed.
 - Access restriction and guarding.
 - Limits on foot traffic of other technicians and individuals.
 - Availability of Electric Vehicle Supply Equipment (EVSE) and suitable power supply.
 - Equipment and workbench(s) with non-conductive surfaces.
 - Rubber mats and a non-conductive area.
 - Secured storage area for high-voltage components, operational and/or damaged.
 - Storage of special equipment and personal protective equipment (PPE).
 - Lifting equipment for movement of high-voltage battery and heavy components.
 - Dual-post lift outfitted for battery fixture jack.

Cleanliness of shop area (some particles are conductive)

- Certain repairs should not be completed next to a BEV
- Temporary Walls- Mike (pic examples)
- Anti-Static Curtains
- Mobile Filtration System



*Photos provided by Hill Intl.

TMD 24

ATA'S TECHNOLOGY & MAINTENANCE COUNCIL

ANNUAL MEETING
& Transportation Technology Exhibition

MARCH 4-7, 2024 | NEW ORLEANS, LA
ERNEST N. MORIAL CONVENTION CENTER

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for Optimal Performance**

save the date!