



Alternative Power Technical Committee (APTC)
Location: TEAMS
Date: August 29, 2024
Minutes

I.	<p>Call to Order, Welcome</p> <p>Anti-trust statement</p> <p><i>The exchange of many types of information between AEM members that concerns common problems is legal, proper and essential to fulfilling the legitimate purposes of AEM. However, some subjects are not proper for discussion, either directly or indirectly. Antitrust laws preserve and promote free competition, the basis of a free-market economy. AEM unequivocally supports the policy of competition and reaffirms its uncompromising intent to comply strictly in all respects with those laws.</i></p>	
II.	<p>Approval of Agenda and Minutes</p> <ul style="list-style-type: none"> • Agenda - Approved • Minutes - Approved <p>Minutes - 2024.07.15 - APTC.docx</p>	John Hunter - Komatsu
Old Business		
III.	<p>Update from TC 127/WG 17 – If needed</p> <ul style="list-style-type: none"> • <i>WG 17 is looking at the suite of standards under 127.</i> • <i>This group is looking to review electrification activity for EMM that involve replacing the diesel engine, powering earthmoving equipment as defined in ISO 6165, with a battery(s) and electrical components i.e., Traction motors, electric actuators, electric pumps etc., and how those activities impact standards that support the EMM industry.</i> <ul style="list-style-type: none"> ○ <i>Intent is to use ISO 5757 and distribute to the other technical committees and use as a template to form working groups to perform these types of assessments in other technical committees.</i> <p>Notes:</p> <ul style="list-style-type: none"> • WG consultation is closed regarding ISO 5757 • Next Steps: Prioritize existing documents to best utilize TC's future activities <ul style="list-style-type: none"> ○ ISO13766, 14990 are both critical standards • ISO 5757 includes sections on charging. When the document is made available it is suggested 	Kevin Lueschow – Caterpillar and/or Jon Spomer – Doosan Bobcat

	<p>that members review the risk assessments as it relates to charging.</p> <ul style="list-style-type: none"> • Various standards such as 14990 are referenced in this section. <p>Action Items: Jon S. – Will be submitting to go out for ballot</p> <p>Other Standards Related Issues:</p> <ul style="list-style-type: none"> • <u>Link to the Google docs spreadsheet</u> • <i>ISO 22543 – Bystander awareness: document is approved.</i> • <i>Update on ISO 14990 – Discussion</i> <p>Notes:</p> <ul style="list-style-type: none"> • Opportunity to Meet at Komatsu to Redline ISO14990 <ul style="list-style-type: none"> ○ September 4th @ Chicago, IL Komatsu Facility from 1-4pm ○ Proposed agenda: <ul style="list-style-type: none"> ▪ Welcome/Safety info ▪ AEM anti-trust statement ▪ Introductions ▪ Safety share ▪ Workshop ISO 14990-1, -2, -3 redline ▪ Next steps/Other topics ▪ Close • Plan is to submit this meeting’s redlined revision at January’s TC127 TAG meeting through ISO representatives • Remote options will be available <p>Action Items:</p> <ul style="list-style-type: none"> • Dan – Submit the redline version back to this group (APTC) 	
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Updates from working groups		
IV.	<p>DC Arc Flash WG</p> <ul style="list-style-type: none"> • <i>Update from previous WG meeting</i> <p>Notes:</p> <ul style="list-style-type: none"> • Letter was completed and sent out to APTC • Motion to dissolve the WG • Any interest in presenting at S&PL? 	<p>John Hunter - Komatsu</p>

	<ul style="list-style-type: none"> To summarize the document, the WG suggests that users utilize the necessary PPE. Motion was proposed to publish the WG letter on the AEM website within the APTC documents tab and seconded with no opposition. Motion carries. It was clarified that this tab is not behind a login firewall and the group's intent is that it stays public <p>Action Items:</p> <ul style="list-style-type: none"> Sam – Add the letter to the AEM website as described after AEM branding has been added. 	
V.	<p>EU Battery Regulation WG</p> <ul style="list-style-type: none"> <i>Carbon footprint calculation for Industrial battery has been published. WG is meeting on July 17th @11am to discuss</i> <p>Notes:</p> <ul style="list-style-type: none"> WG submitted feedback to JRC on 7/24 Group expressed concerns regarding due diligence <ul style="list-style-type: none"> Particular concerns regarding the proposed effective timeline It is suggested to OEMs that they notify vendors and suppliers of raw materials of these changing regulations It is also suggested that OEMs review their legal requirements <p>Action Items:</p> <ul style="list-style-type: none"> 	Dan Willy - Komatsu
VI.	<p>ERG Hosting Site/Funding WG</p> <ul style="list-style-type: none"> <i>Progress update/Potential candidates</i> <i>NGO: UL Fire Safety Research Institute (UL FSRI) vs UL commercial testing site</i> <p>Notes:</p> <ul style="list-style-type: none"> WG met to discuss the future of existing ERG databases and determined there is no current need for this WG to create an independent ERG Hosting Site Motion to dissolve the WG was proposed and seconded with no opposition. Motion carries. <p>Action Items:</p> <ul style="list-style-type: none"> 	Sam Rathburn - AEM

VII.	<p>Emergency Response Guide – Li-ion Batteries</p> <ul style="list-style-type: none"> • <i>The existing ERG directs users to a link that is no longer being actively maintained by the NFPA. Therefore, the WG would like to make the following proposal:</i> • <i>Change the existing phasing to the following:</i> ERG Rephrasing Proposal.docx <p>Notes:</p> <ul style="list-style-type: none"> • Edits have been made to the AEM website • This group is done. Objective has been achieved. Guidelines are available on AEM website. • Motion to dissolve the WG was proposed and seconded with no opposition. Motion carries. <p>Action Items:</p> <ul style="list-style-type: none"> • 	Jason Flanagan – CAT
VIII.	<p>EV Safety Hazard Awareness Campaign</p> <ul style="list-style-type: none"> • <i>Proposal for an awareness campaign for EV Fire Safety Hazards</i> • aem draft for public safety awareness and training program development.pdf <p>Notes: Two phases:</p> <ul style="list-style-type: none"> • Awareness campaign similar to ULSD BP Bulletin Trifold 07-03-13.pdf (aem.org) • Create general industry guidelines on how to address a hazardous situation • The intended audience for this work is first responders • Identify target cooperators • Additional information <p>Action Items:</p> <ul style="list-style-type: none"> • 	Peter Schecter – John Deere
New Business		
X.	<p>Vice Chair</p> <ul style="list-style-type: none"> • <i>Yanbin Mo will be stepping down as Vice Chair</i> • <i>APTC is seeking a new Vice Chair</i> <p>Notes:</p> <ul style="list-style-type: none"> • <p>Action Items:</p> <ul style="list-style-type: none"> • 	Yanbin Mo - CNH

Parking Lot Items		
XI.	<p>BEHM Symbols – Updates</p> <ul style="list-style-type: none"> • <i>Only needed if there is a relevant update.</i> <p>Notes:</p> <ul style="list-style-type: none"> • <p>Action Items:</p> <ul style="list-style-type: none"> • 	Valerie Lynch - AEM
XII.	<p>EU - Industrial trucks – TC 110 Hydrogen standards</p> <ul style="list-style-type: none"> • <i>Only needed if there is a relevant update.</i> <p>Notes:</p> <ul style="list-style-type: none"> • <p>Action Items:</p> <ul style="list-style-type: none"> • 	Discussion – all
XIII.	<p>Battery Charging Standards for Construction Equipment Fleets - OPEI, ARA & AEMP</p> <ul style="list-style-type: none"> • <i>Only needed if there is a relevant update.</i> • <i>Potential interest in standardizing charging connectors</i> <p>Notes:</p> <ul style="list-style-type: none"> • <p>Action Items:</p> <ul style="list-style-type: none"> • 	Discussion – all
XIV.	<p>PFAS – Update</p> <ul style="list-style-type: none"> • <i>Only needed if there is a relevant update.</i> <p>Notes:</p> <ul style="list-style-type: none"> • <p>Action Items:</p> <ul style="list-style-type: none"> • 	Discussion – all
XV.	<p>Vermont S. 254 – Battery EPR</p> <ul style="list-style-type: none"> • <i>Only needed if there is a relevant update.</i> <p>Notes:</p> <ul style="list-style-type: none"> • <p>Action Items:</p> <ul style="list-style-type: none"> • 	Discussion – all
Other Business		
XVI.	<ul style="list-style-type: none"> • May be an upcoming opportunity for the APTC to have a F2F meeting in late March – early April in conjunction with AEF’s North American PlugFest 	
Adjourn		
XVII.	<ul style="list-style-type: none"> • Motion to end the meeting at time prior to completing the agenda 	



- Motioned, seconded, approved
- Meeting adjourned