



**Standards and Advisory Coordination Committee  
(SACCom)  
Representative Report**



<b>Date:</b>	July 28, 2017
<b>Representative:</b>	<b>David Brumbaugh</b>
<b>Position:</b>	<b>Chair</b>
<b>Technical Entity:</b>	SAE AE4 Aerospace - Electromagnetic Environmental Effects Committee
<b>Scope/Function:</b>	Aerospace Electromagnetic Environmental Effects test and design standards
<b>Current Activities:</b> (major items only)	<ul style="list-style-type: none"><li>• Update to ARP958D - EMI Measurement Antennas, Standard Calibration Method</li><li>• Update to AIR1209 – Construction and Calibration of Parallel Plate Transmission Line for EMI Susceptibility Test</li><li>• ARP60493 - Guide to Civil Aircraft Electromagnetic Compatibility (EMC)</li></ul>
<b>New Work Items (proposed/approved):</b>	
<b>Standards/Revisions (recently voted on):</b>	<ul style="list-style-type: none"><li>• ARP60493 - Guide to Civil Aircraft Electromagnetic Compatibility (EMC) (see comments block)</li></ul>
<b>Recently Published Standards<sup>1</sup>:</b>	<ul style="list-style-type: none"><li>• ARP1705C - Coaxial Test Procedure to Measure the RF Shielding Characteristics of EMI Gasket Materials (published Feb 2017)</li><li>• Improves measurement accuracy, and extends method to 18 GHz.</li></ul>
<b>Scheduled Future Projects:</b>	
<b>Next meeting/venue of Entity</b>	AE4 E3: next meeting virtual, date/time TBD AE4 Civil Aircraft EMC WG: teleconference 10 Aug 2017
<b>Activities requiring technical support of EMC-S Standards Committees:</b>	None
<b>Activities requiring financial support of SACCom or EMC-S, if available:</b>	None



**Standards and Advisory Coordination Committee  
(SACCom)  
Representative Report**



<b>Additional Comments:</b>	<ul style="list-style-type: none"><li>• Civil Aircraft Working Group AE4-EMC is currently active developing ARP60493 in harmony with EUROCAE ED-248</li><li>• Intended as a guide for system level test and verification to support new and modified aircraft certification</li><li>• SAE ARP60493 was submitted for AE4 committee ballot in early April 2017 and closed in early May 2017 - approved, with 9 of 14 members approving, and none dissenting. There were several comments provided with the approval votes.</li><li>• EUROCAE ED-248 was submitted for ballot in mid May 2017, and the ballot closed June 20, 2017. There were no non-concur votes. There were several editorial comments, one high priority technical comment on figure 8, and a few low/medium priority technical comments.</li><li>• The AE4 Working Group and the EUROCAE WG-31 chairs will be having a conference call on August 10 to review the consolidated AE4 and WG-31 technical comments. The final draft is being updated to incorporate all editorial comments. The final draft will be submitted to SAE after August 10 resolution of technical comments for Aerospace Council approval. At this time, the technical comments do not appear to be significant enough to require re-ballot.</li></ul>
-----------------------------	---