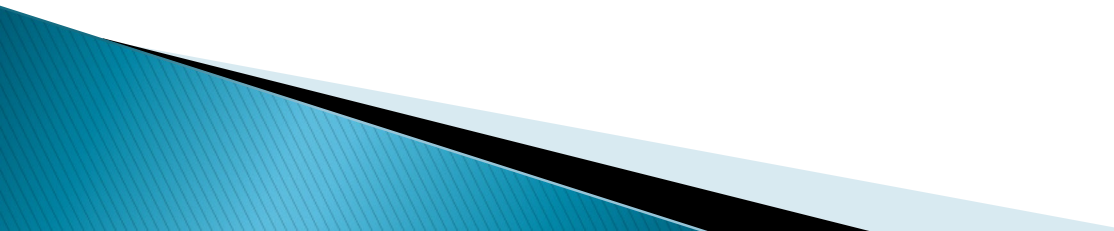


Report on the IEEE Transportation Electrification Community (TEC)

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BLUF

- ▶ TEC is a first year entity within IEEE TAB with evolving strategic objectives and priorities.
 - ▶ TEC leadership and organization needs to mature and step out from behind its principle societies (PES, SA).
 - ▶ Relationship and vision between AESS and TEC requires specific definition and goals (technical, membership). Presently, this does not really exist within TEC.
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AESS Involvement and Investment

- ▶ AESS is an Affiliate member of the TEC in 2015
- ▶ Activity was primarily bi-weekly teleconferences.
 - AESS participants – Bob Lyons, Bob Rassa, Tesesa Pace, Bill Walsh
- ▶ AESS contributed \$3000, pledging at this level for three years (2015 - 17)

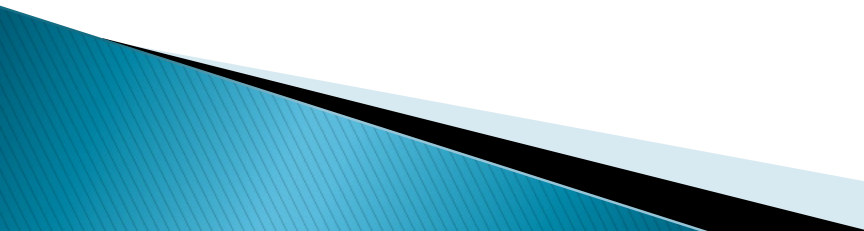
Discussion

- ▶ Objectives and Scope of TEC
 - Focus on electrification of mobile power systems
 - Strategic planning in progress??
 - Key for AESS would be broader scope to include all transportation platforms: automotive, rail, air/space, etc.
- ▶ Engagement with standards and other related activities
 - Potential to collaborate with IEEE Standards Association (SA)
 - Negative attitude towards SAE (“just car guys”)

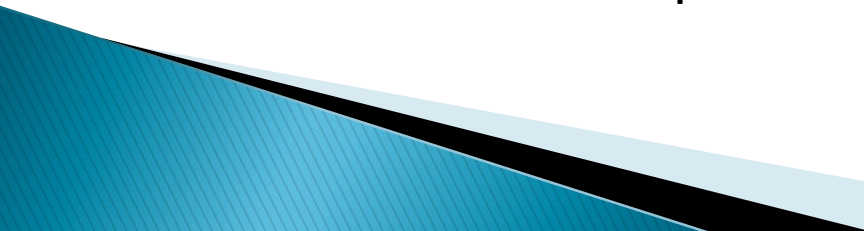
Discussion

- ▶ Most meetings focus primarily on conference participation
 - Workshops, outreach events
 - Some education activity
 - Working within societies
- ▶ AESS interest areas
 - UAVs/drone technology
 - Electric airplanes
 - Recommendation made re: publishing subject articles in Systems Magazine and promoting TEC
 - No response so far

Discussion

- ▶ Interest is on TEC activities on an International perspective...some US, but minimal
 - ▶ No firm or apparent strategy or anyone interested in developing publication activities for TEC
 - ▶ Financial objective is to develop and implement revenue-generating programming to help reduce premium contributions of the supporting societies
 - May re-invest revenue early on
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Conclusions

1. We should not just speculate on how TEC can benefit AESS.
 - a. TEC should define products and activities available to AESS as a result of investment and engagement.
 - b. TEC needs to better define its overall purpose and scope.
 2. AESS needs to decide the potential of an active relationship with TEC
 - a. Is AESS to be the focal point for TEC's air and space electrification systems and platform integration activities and development?
 - b. Can TEC deliver content and members to us as a result of their leadership and engagement in this area?
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Conclusions

- ▶ Establish value metrics for TEC relative to AESS based on what we know and have seen with regard to TEC's priorities and what they are committing to for us regarding our interest areas.
 - ▶ Until TEC matures as a committee to a point where they are more than just focusing on conferences and workshops, and starts generating information and products that are beneficial to our members – and helps us gain members – we would be better off monitoring this from the sidelines.
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