



IEEE Aerospace Electronic Systems VP Technical Operations

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2022 AESS Strategic Planning Meeting

14-15 February 2022

▶ Technical Operations is responsible for oversight of the Technical Panels for the AESS Board of Governors.

- Currently we have six panels
 - Avionics Systems
 - Cyber Security
 - Glue Technologies for Space Systems
 - Gyro and Accelerometer (GAP)
 - Navigation Systems
 - Radar Systems

- ▶ Strengths
 - Most of the panels are responsible for an important conference
 - Most have contributed state-of-the-art articles to SYSTEMS
 - Many articles submitted to TAES
 - GAP has overseen the development and publication of more than a dozen standards
- ▶ Weaknesses
 - Although all of the panels play a role, there is no panel specifically devoted to unmanned/autonomous systems
- ▶ Opportunities
 - Supertopic: “Autonomy for Sustainability” Overseen by the Vision & Perspectives Committee (V&P) [POC from each panel]
- ▶ Threats
 - Most of the people involved in the V&P Committee are extremely busy; difficult to get significant time to devote to the Supertopic

- ▶ **Supertopic: Autonomy for Sustainability**
 - The V&P committee met in mid-January and will be meeting again this week
 - Their immediate plan is to develop a detailed overview of the Supertopic and start drafting an article for SYSTEMS
 - I have asked them also to consider the following possibilities
 - Organizing special sessions at relevant conferences
 - Organizing regional workshops
 - Lectures/presentations at AESS chapter meetings

- ▶ Need to work with Conferences Committee
 - Coordinating special sessions, regional workshops
- ▶ Need to work with Industry Relations
 - Desirable to engage with relevant CTOs to ensure alignment with industry needs
- ▶ Other societies are working in the area of autonomy
 - ComSoc
 - Robotics and Automation Society
 - Vehicular Technology Society

- ▶ None
- ▶ V&P committee may need funds depending upon specific initiatives
- ▶ Regional workshops may need seed funds