

Technical Operations Strategic Plan

- **Mission Statement**

AESS Technical Operations will form technical panels in the Society's fields of interest to stimulate technological advances and member engagement in technical networking, standards development, publications, conferences, chapter meetings, and other professional development activities.

- **Vision Statement**

Organize and conduct the world's best technical activities in the Society's fields of interest.

Technical Operations Strategic Analysis

What is our current status?

- Strengths
 - Some strong legacy panels
 - Some emerging panels with promising futures
- Weaknesses
 - At least one inactive panel
 - Some panels are in limbo
 - Some lack of alignment with other AESS activities
- Opportunities
 - Conferences seeking more panel involvement/engagement
 - Chapters seeking alignment with panel topics
 - Educational activities seeking volunteers
 - Members seeking training and professional development courses
- Threats
 - Some technical panels and conferences only loosely affiliated with AESS
 - Time demands on volunteers

Technical Operations Strategic Objectives

- Current long term strategic objectives (2014)
 - Promote collaboration between technical panels and chapters
 - Prepare technical panel guidance in the form of best practices, techniques, and tools
 - Develop and implement a technical panel review process
 - Promote collaboration with AESS Educational Activities to prepare and present professional development materials in all technical panel fields of interest
- Recommended new long term strategic objectives (2015)
 - Expand technical panel engagement to cover all conferences
 - Increase AESS member participation in all technical panels

Technical Operations Metrics/Scorecard

(1) AESS currently has 10 technical panels

- Recommend elimination of aerospace workforce panel
- Recommend strengthening relationship with ACGSC
- Develop metrics to prepare red/yellow/green/blue scorecards for remaining panels and work to improve score (see backup slides)

(2) Leadership Development

- Each VP shall create in the first year of his/her term a two person committee from members from the BoG to support him/her and to be trained for possible succession (Bylaws Article VI.C)
- All committee members and technical panel chairs must be AESS members in good standing (Bylaws Article II.B)
- Develop accurate leadership roster consistent with above criteria

(3) Create matrices illustrating technical panel alignment with:

- Conferences (see backup slides)
- Educational Activities
- Awards
- Chapters
- Other Metrics

Technical Operations Financial Assessment

- (1) CY 2015 Budget for Technical Operations - \$10K
- (2) No Current Initiatives
- (3) Strategic Analysis Will Reveal Opportunities for New Initiatives

Technical Operations Backup Slide

Technical Panels Scorecard (Notional Concept)

Technical Panels	Gyro and Accelerometer	Radar Systems	Space Systems	Target Tracking Systems	Aerospace Systems Integration Engineering	Aerospace Control & Guidance Systems	Aerospace Workforce	Cyber Security	Unmanned Aerospace Vehicles	Avionics Systems
Chair	Randall Curey	Maria Greco	Cosimo Stallo	Dale Blair	Roger Oliva	Phil Hattis	Russ Lefevre	Kathleen Kramer	Ron Ogan	Paul Kostek
Committees	2	7	3 "Areas"	4	"4 - 7"	Ad Hoc	Ad Hoc	3	Ad Hoc	5
Documents and Standards	10 or more	2 or more								
Conferences or Meetings	6 meetings/yr.	4 or more	2 or more	2 or more		Semi-annual		2 or more		2
Awards		Nathanson & White	Resnik							
<p>In 2007 AESS became affiliated with the Aerospace Control and Guidance Systems Committee (ACGSC), which is an independent entity. ACGSC is aligned in purpose and objectives with SAE and AESS but membership in these societies is not required. ACGSC elects its own officers and runs its own meetings.</p>										



Technical Operations Backup Slide

Technical Panel and Conferences (Notional Concept)

	Gyro and Accelerometer	Radar Systems	Space Systems	Target Tracking Systems	Aerospace Systems Integration Engineering	Aerospace Control & Guidance Systems	Aerospace Workforce	Cyber Security	Unmanned Aerospace Vehicles	Avionics Systems
Financially Sponsored										
IEEE Aerospace Conference			X							
Integrated Communication, Navigation, and Surveillance Conference (ICNS)										X
IEEE International Radar Conference (RadarCon)		X								
IEEE International Workshop on Metrology for Aerospace (MetroAeroSpace)										
IEE/AIAA Digital Avionics Systems Conference (DASC)										X
IEEE AUTOTESTCON										
Technical Co-Sponsored										
Saint Petersburg International Conference on Integrated Navigation Systems										
International Conference on Recent Advances in Space Technologies (RAST)			X							
International Workshop on Compressed Sensing Theory and Its Applications to Radar, Sonar and Remote Sensing (CoSeRa)										
International Radar Symposium (IRS)		X								
International Conference on Information Fusion (Fusion)										
IEEE South African Radar Conference		X								
IEEE Asia-Pacific Conference on Synthetic Aperture Radar (AP SAR)		X								
DGON Inertial Sensors and Systems Symposium										
IEEE International Conference on Microwaves, Communications, Antennas and Electronic Systems (COMCAS)										