REPORT OF THE IEEE/AESS GYRO AND ACCELEROMETER PANEL

September 2016

Panel Activity

The revision of Std 1293, "IEEE Standard Specification Format Guide and Test Procedure for Linear, Single-Axis, Nongyroscopic Accelerometers," is nearing completion. The PAR for Std 1293 was extended until December 31, 2018 to allow sufficient time to address the remaining issues.

Progress continues on Std 1780, "Draft Standard for the Specification of Inertial Measurement Units (IMU)". The entire September GAP meeting was devoted to soliciting feedback on the current state of this draft from European IMU manufacturers and users.

The Corrigenda for Std 952, "IEEE Standard Specification Format Guide and Test Procedure for Single-Axis Interferometric Fiber Optic Gyros" was successfully balloted and has been submitted to RevCom.

Updated policies and procedures were submitted for approval. They were rejected for several items that will need to be resolved. What is frustrating is that the rejected items are identical to our existing approved policies and procedures.

Meetings

Since the last report, the Panel has held three meetings:

Dates	Location	Host	Attendance
May 16/17, 2016	Charlottesville, VA	George Erickson	5
July 7/8, 2016	Irvine, CA	UC Irvine	7
Sept 22/23, 2016	Boulogne-Billancourt, France	Sagem	10

Future Meetings

Dates	Location	Host
Nov 10/11, 2016	Anaheim, CA	L3 IEC
Jan 23/24, 2017	Clearwater, FL	Honeywell Aerospace
March 2/3, 2017	San Antonio, TX	Southwest Research Institute

Panel Objectives

Panel objectives were reported in April. The Committee Objectives below would normally have been reported in April, but they were not available at the time the April report was generated.

Systems Committee Objectives

- Update IMU document plan as required
- Complete 100% of IMU document first draft by 1 Jan 2017
- Compile new and revised system terminology to incorporate into the next revision of IEEE STD 1559
- Complete other assignments as prioritized by Panel

Sensors Committee Objectives

- Complete the revision of Std 1293 “IEEE Standard Specification Format Guide and Test Procedure for Linear, Single – Axis, Nongyroscopic Accelerometers” and distribute for industry review.
- After PAR approval complete the resolution of known technical issues in Std 517 “IEEE Standard Specification Format Guide and Test Procedure for Single-Degree-of-Freedom Rate-Integrating Gyros.” and publish the drafted corrigenda.
- Finish addressing the known technical issues in Std 1554 “Recommended Practice for Inertial Sensor Test equipment, Instrumentation, Data Acquisition, and Analysis” through the corrigenda or revision process.
- Compile new and revised sensor terminology to incorporate into the next revision of Std 528 “IEEE Standard for Inertial Sensor Technology.”

Other

None

Respectfully submitted,

Randall Curey

Chair, IEEE/AESS Gyro and Accelerometer Panel