

CHARTER

1. The Gyro and Accelerometer Panel is a Technical Panel of the IEEE Aerospace and Electronics Systems Society.
2. The purpose of the Panel is to create standard terminology, specification formats, and test procedures for, and to promulgate understanding of components and systems for detection or measurement of linear or angular motion.
3. The Panel is composed of representatives of industry, government laboratories, educational institutions and professional societies who are knowledgeable of the characteristics, operating principles, sources of error, and areas of application of these components.

ORGANIZATION

The Gyro and Accelerometer Panel meets for two days every two months and is comprised of two committees, one working on gyro-related documents and the other working on accelerometer-related documents. All committee outputs are reviewed and approved by the Panel prior to release outside of the Panel. Homework is accomplished by individual members between meetings to expedite the completion of committee tasks. The Panel elects a Chairman and a Vice-Chairman and each committee elects its own chairman. Voting and rules-of-order are established in the By-Laws of the Panel. Membership in the Panel is open to all who wish to participate.

OBJECTIVES

The panel established the following objectives at the meeting that was held on 12/13 January 2009:

Panel Objectives

1. Ballot and publish P1559, "IEEE Standard for Inertial Systems Terminology."
2. Continue to develop and assign homework for P1780, "IEEE Standard Specification Format Guide and Test Procedure for Inertial Measurement Units (IMUs)."
3. Expand membership with emphasis on the IMU community.
4. Develop working group procedures by the end of 2009.

5. Continue to compile new or revised system terminology to be incorporated in the next revision of IEEE Std. 1559, "IEEE Standard for Inertial Systems Terminology."
6. Take appropriate actions to see that legacy documents are reaffirmed, revised, or withdrawn as necessary.

Gyro Committee Objectives

1. Continue to identify the required changes to IEEE Std 952, "IEEE Specification Format Guide and Test Procedure for Single-Axis Interferometric Fiber Optic Gyros", if any, in addition to the change required to correct Figure 1 (as was done in IEEE Std 1431).
2. Based on the findings of objective 1, obtain a PAR for either a revision or a corrigendum.
3. Continue to compile new or revised sensor terminology to be incorporated in the next revision of IEEE Std. 528, "IEEE Standard for Inertial Sensor Terminology."
4. Take appropriate actions to see that legacy documents are reaffirmed, revised, or withdrawn as necessary.

Accelerometer Committee Objectives

1. Ballot and publish the revision to IEEE Std. 836-2001, "IEEE Recommended Practice for Precision Centrifuge Testing of Linear Accelerometers" by the end of 2009.
2. Develop corrigenda for IEEE Std. 671-1985, "IEEE Standard Specification Format Guide and Test Procedure for Nongyroscopic Inertial Angular Sensors: Jerk, Acceleration, Velocity, and Displacement."
3. Continue to compile new or revised sensor terminology to be incorporated in the next revision of IEEE Std. 528, "IEEE Standard for Inertial Sensor Terminology."
4. Take appropriate actions to see that legacy documents are reaffirmed, revised, or withdrawn as necessary.

Last Updated 13 June 2009