

REPORT OF THE IEEE/AESS GYRO AND ACCELEROMETER PANEL

August 2004

Panel Activity

P1431 "Specification Format Guide and Test Procedure for Coriolis Vibratory Gyros" is still in the hands of the IEEE editors.

Significant progress has been made at the last two meetings addressing the comments received on P1554, "IEEE Recommended Practice for Inertial Sensor Test Equipment, Instrumentation, Data Acquisition, and Analysis." It is anticipated that the work on P1554 will be completed at the September 2004 meeting.

Some progress was made on P1559 "IEEE Standard for Inertial Systems Terminology" at the last two meetings. P1559 will become the focus once P1554 is complete.

Work on Std 647 "IEEE Specification Format Guide and Test Procedure for Single Axis Laser Gyros" has been deferred until the September meeting. At that time it is hoped that George Erickson will have completed his homework assignment.

Std 836 "IEEE Recommended Practice for Precision Centrifuge Testing of Linear Accelerometers" has been successfully converted from a Macintosh Word 5 format to a PC Word 2000 compatible format. All of the voted on changes were also incorporated. Mike Ash is still reviewing the double turntable centrifuge annex provided by Arkady Sinelnikov.

The Panel continues to work on the following documents:

- P1554 "IEEE Recommended Practice for Inertial Sensor Test Equipment, Instrumentation, Data Acquisition and Analysis."
- P1559 "IEEE Standard for Inertial Systems Terminology."
- Std 647 "IEEE Specification Format Guide and Test Procedure for Single Axis Laser Gyros."
- Std 836 "IEEE Recommended Practice for Precision Centrifuge Testing of Linear Accelerometers"

Meetings

Since March 2004, the Panel has held two meetings:

Dates	Location	Attendance
29/30 April 2004	Monterey, CA	12
8/9 July 2004	Goleta, CA	7

The September 2004 meeting will be in Birmingham, AL.

Membership

Since March, one member and three info-only applications have been received. The current membership is as follow:

- 31 Members (10 Producers, 15 Users, and 6 General Interest)
- 47 Info-Only (16 Producers, 15 Users, and 16 General Interest)

Other

I have started organizing a meeting outside of the US. It will be the first meeting outside of the US since the 9/11 incident. The plan is to hold it in conjunction with the 2005 Symposium Gyro Technology, which is scheduled for September 20/21 in Stuttgart, Germany. If L.R.B.A. can host the meeting, it will be held in France the Thursday and Friday after the Symposium.

The April GAP meeting was held in conjunction with PLANS. It was anticipated that the meeting would attract potential new members. Five new attendees were at the meeting. Only time will tell if they become active members.

Randy Curey presented a paper titled "Proposed IEEE Inertial System Terminology Standard and Existing Inertial Sensor Standards" at PLANS 2004. The paper was co-authored by Randy Curey, Mike Ash, Lee Thielman and Cleon Barker.

Respectfully submitted,

A handwritten signature in black ink that reads "Randall K. Curey". The signature is written in a cursive style with a large, prominent 'R' at the beginning.

Randall Curey

Chair, IEEE/AESS Gyro and Accelerometer Panel