

P952

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Type of Project: Revision to IEEE Standard 952-1997

PAR Request Date: 13-Nov-2018

PAR Approval Date: 08-Feb-2019

PAR Expiration Date: 31-Dec-2023

Status: PAR for a Revision to an existing IEEE Standard

Root Project: 952-1997

1.1 Project Number: P952

1.2 Type of Document: Standard

1.3 Life Cycle: Full Use

2.1 Title: Standard Specification Format Guide and Test Procedure for Single-Axis Interferometric Fiber Optic Gyros
Changes in title: ~~IEEE~~ Standard Specification Format Guide and Test Procedure for Single-Axis Interferometric Fiber Optic Gyros

3.1 Working Group: Sensors Working Group (AES/GA/SENSR_WG)

Contact Information for Working Group Chair

Name: Harry Davis

Email Address: harrydvs25@gmail.com

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Contact Information for Working Group Vice-Chair

None

3.2 Sponsoring Society and Committee: IEEE Aerospace and Electronic Systems Society/Gyro Accelerometer Panel (AES/GA)

Contact Information for Sponsor Chair

Name: Randall Curey

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Contact Information for Standards Representative

Name: Randall Curey

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4.1 Type of Ballot: Individual

4.2 Expected Date of submission of draft to the IEEE-SA for Initial Sponsor Ballot: 02/2019

4.3 Projected Completion Date for Submittal to RevCom

Note: Usual minimum time between initial sponsor ballot and submission to Revcom is 6 months.: 08/2019

5.1 Approximate number of people expected to be actively involved in the development of this project: 5

5.2 Scope: This standard defines requirements for a single-axis interferometric fiber optic gyro (IFOG), including any necessary electronics, to be used in an attitude control system, an angular displacement measuring system, an angular rate measuring system, or other such system.

Changes in scope: This standard defines requirements for a single-axis interferometric fiber optic gyro (IFOG), including any necessary electronics, to be used in ~~an~~ attitude control system, an angular displacement measuring system, an angular rate measuring system, ~~or other such system.~~

5.3 Is the completion of this standard dependent upon the completion of another standard: No

5.4 Purpose: This standard provides a common meeting ground of common terminology and practice for manufactures and users. The user is cautioned not to over-specify -- only those parameters that are required to guarantee proper instrument performance in the specific application should be controlled. In general, the specification should contain only those requirements that can be verified. Part II of this standard can be used as a guide in the preparation of a separate Fiber Optic gyro test specification. In general the intent is for the specification writer to ensure consistency and traceability between Part II test procedures and Part I requirements for performance, mechanical,

Changes in purpose:

electrical, environmental, and quality assurance.

5.5 Need for the Project: Standard 952 goes inactive at the end of 2018. This revision is being done to incorporate the published corrigendum into the standard.

5.6 Stakeholders for the Standard: Users, producers and those with general interest in inertial sensors.

Intellectual Property

6.1.a. Is the Sponsor aware of any copyright permissions needed for this project?: No

6.1.b. Is the Sponsor aware of possible registration activity related to this project?: No

7.1 Are there other standards or projects with a similar scope?: No

7.2 Joint Development

Is it the intent to develop this document jointly with another organization?: No

8.1 Additional Explanatory Notes: