

# P1780

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**Submitter Email:** [dtarrant@mindspring.com](mailto:dtarrant@mindspring.com)

**Type of Project:** New IEEE Standard

**PAR Request Date:** 16-May-2013

**PAR Approval Date:** 14-Jun-2013

**PAR Expiration Date:** 31-Dec-2017

**Status:** PAR for a New IEEE Standard

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**1.1 Project Number:** P1780

**1.2 Type of Document:** Standard

**1.3 Life Cycle:** Full Use

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**2.1 Title:** Standard for the Specification of Inertial Measurement Units (IMU)

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**3.1 Working Group:**

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**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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**4.1 Type of Ballot:** Individual

**4.2 Expected Date of submission of draft to the IEEE-SA for Initial Sponsor Ballot:** 04/2017

**4.3 Projected Completion Date for Submittal to RevCom:** 10/2017

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**5.1 Approximate number of people expected to be actively involved in the development of this project:** 10

**5.2 Scope:** This standard provides guidelines for the preparation of an IMU specification document.

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

**5.4 Purpose:** This standard provides the specifications, typical units, format and terminology for manufacturers and users to specify inertial measurement units (IMU) in a manner that provides a common meeting ground. This standard allows each user to select which specifications are relevant to their particular application. The terminology is that which is commonly used by the inertial navigation community.

**5.5 Need for the Project:** There is a need to standardize both manufacturer and user specifications for inertial measurement units (IMU). The benefit of this standard is that common ground will be established between manufacturers and users such that there will be no misunderstanding as to the meaning of a specified capability or performance requirement.

**5.6 Stakeholders for the Standard:** Manufacturers and users of inertial measurement units in all industries.

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**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

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**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

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**8.1 Additional Explanatory Notes (Item Number and Explanation):**