

# P2010

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**Submitter Email:** tomc1@brainm.com  
**Type of Project:** New IEEE Standard  
**PAR Request Date:** 08-Feb-2010  
**PAR Approval Date:** 17-Jun-2010  
**PAR Expiration Date:** 31-Dec-2014  
**Status:** PAR for a New IEEE Standard  
**Project Record:** No Project Record

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**1.1 Project Number:** P2010  
**1.2 Type of Document:** Recommended Practice  
**1.3 Life Cycle:** Full Use

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**2.1 Title:** Recommended Practice for Neurofeedback Systems

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**3.1 Working Group:** Neurofeedback (EEG Biofeedback) Systems (EMB/Std Com/Neurofeedback)

**Contact Information for Working Group Chair**

**Name:** Thomas Collura  
**Email Address:** tomc1@brainm.com  
**Phone:** 4402326000

**Contact Information for Working Group Vice-Chair**

None

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**3.2 Sponsoring Society and Committee:** IEEE Engineering in Medicine and Biology Society/Standards Committee (EMB/Std Com)

**Contact Information for Sponsor Chair**

**Name:** Carole Carey  
**Email Address:** c.carey@ieee.org  
**Phone:** 301-776-9882

**Contact Information for Standards Representative**

None

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**4.1 Type of Ballot:** Entity

**4.2 Expected Date of submission of draft to the IEEE-SA for Initial Sponsor Ballot:** 01/2012

**4.3 Projected Completion Date for Submittal to RevCom:** 06/2013

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**5.1 Approximate number of entities expected to be actively involved in the development of this project:** 8

**5.2 Scope:** This recommended practice describes electroencephalography (EEG) Biofeedback (neurofeedback) systems and software to optimize the quality and availability of information available to device users.

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

**5.4 Purpose:** This recommended practice describes the minimum standards sufficient to verify that conforming EEG Biofeedback systems provide quality biofeedback results and information that is clear.

**5.5 Need for the Project:** There is considerable variation in the marketplace for EEG biofeedback (neurofeedback) equipment, software, and user training. There is no stated set of minimum requirements ensuring that systems provide effective and meaningful feedback, and that system operators can understand and interpret results. This recommended practice puts forth minimum guidelines for the design and production of neurofeedback instruments and software, to support quality of feedback.

**5.6 Stakeholders for the Standard:** The stakeholders include EEG device manufacturers, clinicians, clients, regulatory agencies, professional organizations, researchers, and educators.

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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 International Activities**

**a. Adoption**

**Is there potential for this standard (in part or in whole) to be adopted by another national, regional or international organization?: No**

**b. Joint Development**

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

**c. Harmonization**

**Are you aware of another organization that may be interested in portions of this document in their standardization development efforts?: No**

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