

**BioSig Technologies, Inc.**  
**8441 Wayzata Blvd., Suite 240**  
**Minneapolis, Minnesota 55426**

September 20, 2017

**VIA EDGAR**

U.S. Securities and Exchange Commission  
Division of Corporation Finance  
Securities and Exchange Commission  
Washington, D.C. 20549  
Attention: Amanda Ravitz

Re: BioSig Technologies, Inc.  
Registration Statement on Form S-1, originally filed on June 8, 2017  
File No. 333- 218583, as amended (the "**Registration Statement**")  
Request for Acceleration

Ladies and Gentlemen:

Pursuant to Rule 461 promulgated under the Securities Act of 1933, as amended, BioSig Technologies, Inc. (the "**Company**") hereby respectfully requests acceleration of the effective date of the Registration Statement so that it may become effective at 5:00 p.m., Eastern Time, on September 21, 2017, or as soon thereafter as practicable.

Very truly yours,

BIOSIG TECHNOLOGIES, INC.

By: /s/ Kenneth Londoner  
Kenneth Londoner  
Chief Executive Officer

cc: Rick A. Werner, Esq., Haynes and Boone, LLP