

**TACTILE SYSTEMS TECHNOLOGY, INC.**  
**1331 Tyler Street NE, Suite 200**  
**Minneapolis, Minnesota 55413**

August 29, 2017

VIA EDGAR

Securities and Exchange Commission  
Division of Corporation Finance  
100 F Street, N.E.  
Washington, D.C. 20549

**Re: Tactile Systems Technology, Inc.**  
**Registration Statement on Form S-3**  
**File No. 333-220132**

**Acceleration Request**

**Requested Date: August 31, 2017**  
**Requested Time: 5:00 p.m. Eastern Time**

---

Ladies and Gentlemen:

Pursuant to Rule 461 under the Securities Act of 1933, as amended, Tactile Systems Technology, Inc. (the "Company") hereby respectfully requests that the effective date of the above-captioned Registration Statement be accelerated so that it will be declared effective at 5:00 p.m. Eastern Time on August 31, 2017, or as soon thereafter as possible. The Company also hereby requests a copy of the written order verifying the effective date.

Thank you for your assistance. If you should have any questions, please contact Jonathan R. Zimmerman of Faegre Baker Daniels LLP, counsel to the Company, at (612) 766-8419.

Very truly yours,

**TACTILE SYSTEMS TECHNOLOGY, INC.**

By: /s/ Lynn L. Blake  
Name: Lynn L. Blake  
Title: Chief Financial Officer

---