

August 22, 2022

Chad Rigetti  
Chief Executive Officer  
Rigetti Computing, Inc.  
775 Heinz Avenue  
Berkeley, CA 94710

Inc.

Statement on Form S-1

2022

Re: Rigetti Computing,

Registration

Filed August 17,

File No. 333-266938

Dear Mr. Rigetti:

This is to advise you that we have not reviewed and will not review your registration statement.

Please refer to Rules 460 and 461 regarding requests for acceleration. We remind you that the company and its management are responsible for the accuracy and adequacy of their disclosures, notwithstanding any review, comments, action or absence of action by the staff.

Please contact Mitchell Austin, Staff Attorney, at (202) 551-3574 or, in his absence, Larry Spigel, Office Chief, at (202) 551-3815 with any questions.

Sincerely,

Division of Corporation Finance

Office of Technology

cc:

Rupa Briggs, Esq.