



DIVISION OF  
CORPORATION FINANCE

UNITED STATES  
SECURITIES AND EXCHANGE COMMISSION  
WASHINGTON, D.C. 20549

May 13, 2013

Via E-Mail

Daniel W. Fairfax  
Chief Financial Officer and Vice President of Finance  
Brocade Communications Systems, Inc.  
130 Holger Way  
San Jose, CA 95134

**Re: Brocade Communications Systems, Inc.**  
**Form 10-K for the Fiscal Year Ended October 27, 2012**  
**Filed December 14, 2012**  
**Form 10-Q for the Quarterly Period Ended January 26, 2013**  
**Filed March 1, 2013**  
**File No. 000-25601**

Dear Mr. Fairfax:

We have completed our review of your filings. We remind you that our comments or changes to disclosure in response to our comments do not foreclose the Commission from taking any action with respect to the company or the filings and the company may not assert staff comments as a defense in any proceeding initiated by the Commission or any person under the federal securities laws of the United States. We urge all persons who are responsible for the accuracy and adequacy of the disclosure in the filings to be certain that the filings include the information the Securities Exchange Act of 1934 and all applicable rules require.

Sincerely,

/s/ Stephen Krikorian

Stephen Krikorian  
Accounting Branch Chief