



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

DIVISION OF  
CORPORATION FINANCE

November 1, 2011

Via E-mail

Mr. Anders Gustafsson  
Chief Executive Officer  
Zebra Technologies Corp.  
475 Half Day Road, Suite 500  
Lincolnshire, Illinois 60069

**Re: Zebra Technologies Corp.  
Form 10-K for the Fiscal Year Ended December 31, 2010  
Filed February 24, 2011  
File No. 0-19406**

Dear Mr. Gustafsson:

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 includes the information the Securities Exchange Act of 1934 and all applicable rules require.

Sincerely,

/s/ Kevin L. Vaughn

Kevin L. Vaughn  
Accounting Branch Chief