

August 17, 2007

Mail Room 4561
Via Fax – (414) 977-4202

Kenneth D. Rardin
President and Chief Executive Officer
Merge Technologies Incorporated
6737 West Washington Street,
Suite 2250
Milwaukee, WI 53214

**Re: Item 4.02 Form 8-K
Filed on August 14, 2007
File No. 0-29486**

Dear Mr. Rardin,

We have reviewed your filing and have the following comments. Where indicated, we think you should revise your document in response to these comments. If you disagree, we will consider your explanation as to why our comment is inapplicable or a revision is unnecessary. Please be as detailed as necessary in your explanation. In some of our comments, we may ask you to provide us with more information so we may better understand your disclosure. After reviewing this information, we may raise additional comments.

Please understand that the purpose of our review process is to assist you in your compliance with the applicable disclosure requirements and to enhance the overall disclosure in your filing. We look forward to working with you in these respects. We welcome any questions you may have about our comments or any other aspect of our review. Feel free to call us at the telephone numbers listed at the end of this letter.

Form 8-K Filed August 14, 2007

1. We note the Company anticipates that the restated financial information will be set forth in its Amended Annual Report on Form 10-K for the year ended December 31, 2006 and the Amended Quarterly Report for the quarter ended March 31, 2007. It appears that the errors related to the issues addressed in your August 14, 2007 Form 8-K effect several quarterly filings. Please note that companies that propose to correct material errors without amending all previously filed reports should first contact the staff of the Division of Corporation Finance for approval.
2. Item 4.02(a) of Form 8-K, states that a registrant should file a Form 8-K when the Company concludes that any previously issued quarterly or annual financial statements should no longer be relied upon because of an error in the financial statements. As a

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result, revise your Form 8-K disclosure to identify both the quarterly and annual periods covered that should no longer be relied upon.

As appropriate, please amend your filing and respond to these comments within five business days or tell us when you will provide us with a response. You may wish to provide us with marked copies of amendment to expedite our review. Please furnish a cover letter with your amendment that keys your responses to our comments and provides any requested information. Detailed cover letters greatly facilitate our review. Please understand that we may have additional comments after reviewing your amendment and responses to our comments.

We urge all persons who are responsible for the accuracy and adequacy of the disclosure in the filing to be certain that the filing includes all information required under the Securities Exchange Act of 1934 and that they have provided all information investors require for an informed decision. Since the company and its management are in possession of all facts relating to a company's disclosure, they are responsible for the accuracy and adequacy of the disclosures they have made.

In connection with responding to our comments, please provide, in writing, a statement from the company acknowledging that:

- the company is responsible for the adequacy and accuracy of the disclosure in the filing;
- staff comments or changes to disclosure in response to staff comments do not foreclose the Commission from taking any action with respect to the filing; 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.

In addition, please be advised that the Division of Enforcement has access to all information you provide to the staff of the Division of Corporation Finance in our review of your filing or in response to our comments on your filing.

If you have any questions, please call Kari Jin, Staff Accountant at (202) 551-3481.

Sincerely,

Kari Jin
Staff Accountant