



DIVISION OF
CORPORATION FINANCE

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

May 7, 2013

Via E-Mail

Ken Reali
Chief Executive Officer
TranS1 Inc.
110 Horizon Drive
Suite 230
Raleigh, NC 27615

**Re: TranS1 Inc.
Amendment No. 2 to Preliminary Proxy Statement on Schedule 14A
Filed April 30, 2013
File No. 001-33744**

Dear Mr. Reali:

We have reviewed your filing and have the following comments. In some of our comments, we may ask you to provide us with information so we may better understand your disclosure.

Please respond to this letter within ten business days by amending your filing, by providing the requested information, or by advising us when you will provide the requested response. If you do not believe our comments apply to your facts and circumstances or do not believe an amendment is required, please tell us why in your response.

After reviewing any amendment to your filing and the information you provide in response to these comments, we may have additional comments.

Projected Financial Information, page 43

1. We note your attempt to limit reliance on your projections in the third sentence of the first paragraph on page 43 and in the first and last sentences of the first paragraph on page 46. Although you may place the disclosed information in appropriate context, by disclosing underlying assumptions and discussing the purposes for which the information was prepared, because this information constitutes public disclosure, you may not limit reliance in this way. Please revise to remove broad limitations on reliance.

2. Please expand your response to prior comments 3 and 4 to disclose the pro forma projected unlevered free cash flow projections upon which Stifel relied.

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 the information the Securities Exchange Act of 1934 and all applicable Exchange Act rules require. 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 responding to our comments, please provide a written 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.

You may contact Gary Newberry at (202) 551-3761 or Lynn Dicker at (202) 551-3616 if you have questions regarding comments on the financial statements and related matters. Please contact Brian Soares at (202) 551-3580 or me at (202) 551-3528 with any other questions.

Sincerely,

/s/ Amanda Ravitz

Amanda Ravitz
Assistant Director

cc (via-email): Amy Wallace