



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

Mail Stop 3720

June 24, 2009

Via U.S. Mail and Fax (858.882.6040)

Mr. Walter Z. Berger
Chief Financial Officer
Leap Wireless International, Inc.
10307 Pacific Center Court
San Diego, CA 92121

**RE: Leap Wireless International, Inc.
Form 10-K for the Fiscal Year Ended December 31, 2008
Form 10-Q for the Fiscal Quarter Ended March 31, 2009
File No. 000-29752**

Dear Mr. Berger:
Anesthesia

We have reviewed the above referenced filing(s) and have the following comments. We have limited our review to only your financial statements and related disclosures and do not intend to expand our review to other portions of your documents. Please comply with the following comment(s) in future filings. Confirm in writing that you will do so and explain to us how you intend to comply. If you disagree, we will consider your explanation as to why our comment is inapplicable or a future revision is unnecessary. Please be as detailed as necessary in your explanation. After reviewing your response, we may or may not 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 on any other aspect of our review. Feel free to call us at the telephone numbers listed at the end of this letter.

Form 10-K for the Fiscal Year Ended December 31, 2008

1. We note that licenses accounted for 36% of total assets as of December 31, 2008. In light of the significance of your wireless licenses balance, we expect robust and comprehensive disclosure in your critical accounting policies regarding your

impairment testing policy. This disclosure should provide investors with sufficient information about management's insights and assumptions with regard to the recoverability of the licenses. Specifically, we believe you should provide the following information:

- Disclose whether you have performed subsequent interim impairment tests.
- Disclose the carrying value of the operating and non-operating wireless licenses.
- Describe the nature of the valuation techniques you employed in performing the impairment tests for the operating and non operating wireless licenses. If you used a discounted cash flow methodology, addressing EITF D-108, describe the method you used to isolate the cash flows associated with the intangible asset. If you used a hypothetical build-up or start-up method, describe qualitatively and quantitatively the significant estimates and assumptions used in your valuation method to determine the fair value of each unit of accounting in your impairment analysis.
- Quantitatively and qualitatively describe in detail the changes in the estimates used in your assumptions to determine the fair value of the operating and non-operating wireless licenses since your last impairment test. In addition, tell us and disclose how the assumptions in your most recent test were impacted by the current economic environment.
- Provide a sensitivity analysis showing the impact on your impairment test resulting from a one percent change in each of your significant assumptions. For example, you should separately quantify the impact of a one percent decline in your revenue growth rates, one percent decline in your net cash flows and a one percent increase in your discount rate.
- Provide a sensitivity analysis that discloses the impairment amount that would have resulted from hypothetical reductions in the fair value of your licenses at the time of your impairment testing.

For further guidance, refer to Release No. 33-8350 "Interpretation: Commission Guidance Regarding Management's Discussion and Analysis of Financial Condition and Results of Operations."

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Please respond to our comment(s) via correspondence over EDGAR within 10 business days or tell us when you will provide us with a response. Please understand that we may have additional comments after reviewing your response(s) to our comment(s).

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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 investment 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 comment(s), 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 filings;
- staff comments or changes to disclosure in response to staff comments do not foreclose the Commission from taking any action with respect to 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.

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 filings or in response to our comments on your filings.

You may contact Kenya Wright Gumbs, Staff Accountant, at (202) 551-3373 or Ivette Leon, Assistant Chief Accountant, at (202) 551-3351 if you have questions regarding comments on the financial statements and related matters. Please contact me at (202) 551-3810 with any other questions.

Sincerely,

Larry Spigel
Assistant Director