TELEFONOS DE MEXICO S A B DE C V Form 6-K April 06, 2010

FORM 6-K

SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549

Report of Foreign Private Issuer

Pursuant to Rule 13a-16 or 15d-16 of

the Securities Exchange Act of 1934

For the month of April 2010

Commission File Number: 333-13580

Teléfonos de México, S.A.B. de C.V.

(Exact Name of the Registrant as Specified in the Charter)

Telephones of Mexico

(Translation of Registrant's Name into English)

Parque Vía 190

Colonia Cuauhtémoc

México City 06599, México, D.F.

(Address of principal executive offices)

Indicate by check mark whether the registrant files or will file annual reports under cover Form 20-F or Form 40-F. Form 20-FÖForm 40-F
Indicate by check mark if the registrant is submitting the Form 6-K in paper as permitted by Regulation S-T Rule 101(b)(1):
Indicate by check mark if the registrant is submitting the Form 6-K in paper as permitted by Regulation S-T Rule 101(b)(7):
Indicate by check mark whether by furnishing the information contained in this Form, the registrant is also thereby furnishing the information to the Commission pursuant to Rule 12g3-2(b) under the Securities Exchange Act of 1934.
Yes NoX
If "Yes" is marked, indicate below the file number assigned to the registrant in connection with Rule 12g3-2(b): 82-

TELEFONOS DE MEXICO, S.A.B. DE C.V.

CALLING

ANNUAL SHAREHOLDERS' MEETING

By resolution of the Board of Directors, holders of Teléfonos de México, S.A.B. de C.V. shares, are called to the Annual Shareholders' Meeting that will be held on April 29, 2010 at 17:15 hrs., at Av. Paseo de las Palmas no. 736, Col. Lomas de Chapultepec, Mexico City, Mexico, to discuss the following issues:

AGENDA

- I. Presentation of: the Chief Executive Officer's report concerning the Company's performance and operations for the fiscal year ended December 31, 2009, that includes financial statements as of that date and the Independent Auditor's report; the opinion and report of the Board of Directors concerning Article 28, fraction IV items c), d) and e) of the Mexican Securities Law; the reports of the Audit and Corporate Practices Committees; and the report of fulfillment of tax obligations. Resolutions in this matter.
- II. Presentation and, if applicable, approval of a proposal related with profits application, that includes a cash dividend of \$0.50 Mexican pesos per outstanding share to be paid in four equal payments of \$0.1250 Mexican pesos per share, resulting from the net tax profit account. Dividend payments are proposed to be made in Mexico on or after June 17, 2010, September 23, 2010, December 16, 2010 and March 24, 2011, respectively. Resolutions in this matter.
- III. Ratification, if applicable, of the activities of the Board of Directors and the Chief Executive Officer for the fiscal year 2009 and, specifically a resolution adopted by the Board of Directors at its meeting held on March 18, 2009. Resolutions in this matter.
- IV. Appointment or ratification, if applicable, of members of the Board of Directors and the Executive Committee, the respective Presidents of the Corporate Practices and Audit Committees, and adoption of resolutions related therewith, of those concerning the qualification of independence and compensation for Board members, and other ancillary matters related therewith.
- V. Appointment of special delegates to formalize and fulfill any of the resolutions made by this Meeting. Resolutions in this matter.

In order to have the right to assist and, if applicable, to vote in the Shareholders' Meeting, shareholders must obtain their respective admission cards no later than Wednesday April 28, 2010 by depositing their shares in the offices indicated below or by delivering the documents that prove its deposit in a Mexican or foreign banking institution or with a Mexican broker to the Company. If shares are deposited in the S.D. Indeval, S.A. de C.V., admission cards will be issued by delivering the respective constancy and, if applicable, the additional legal listings.

The information and related documents of each issue of the Agenda will be available and free of charge to shareholders, fifteen days before the Annual Shareholders Meeting's date. A representative may assist on behalf of a shareholder through an authorization letter that is in accordance with Clause 26 of the Company's bylaws. The shareholder's representatives may prove they are duly authorized to vote on behalf of the shareholders, through a proxy form prepared by the Company, that will be available to brokers that prove they are representing shareholders of the Company within the term indicated above.

The admission cards, information documents and the proxy form mentioned above, will be available to shareholders or their representatives or brokers in the Company's headquarters located at Av. Parque Via # 198 2nd floor-202, Col. Cuauhtémoc, Mexico City, Mexico, (Phone (5255) 52 22 58 54) in business days and office hours.

Mexico City, April 5, 2010

Sergio Medina Noriega

Secretary of the Board of Directors

TELÉFONOS DE MÉXICO, S.A.B. DE C.V.

CALLING

SPECIAL SHAREHOLDERS' MEETING.

By resolution of the Board of Directors, holders of Teléfonos de México, S.A.B. de C.V. series "L" shares, are called to the Special Shareholders' Meeting that will be held on April 29, 2010 at 17:00 hrs., at Av. Paseo de las Palmas no. 736, Col. Lomas de Chapultepec, Mexico City, Mexico, to discuss the following issues:

AGENDA

- I. Appointment or ratification, if applicable, of Board Members to be appointed by holders of Series "L" Shares. Resolutions in this matter.
- II. Appointment of special delegates to formalize and fulfill any of the resolutions made by this Meeting. Resolutions in this matter.

In order to have the right to assist and, if applicable, to vote in the Shareholders' Meeting, shareholders must obtain their respective admission cards no later than Wednesday April 28, 2010 by depositing their shares in the offices indicated below or by delivering the documents that prove its deposit in a Mexican or foreign banking institution or with a Mexican broker to the Company. If shares are deposited in the S.D. Indeval, S.A. de C.V., admission cards will be issued by delivering the respective constancy and, if applicable, the additional legal listings.

The information and related documents of each issue of the Agenda will be available and free of charge to shareholders, fifteen days before the Annual Shareholders Meeting's date. A representative may assist on behalf of a shareholder through an authorization letter that is in accordance with Clause 26 of the Company's bylaws. The shareholder's representatives may prove they are duly authorized to vote on behalf of the shareholders, through a proxy form prepared by the Company, that will be available to brokers that prove they are representing shareholders of the Company within the term indicated above.

The admission cards, information documents and proxy form mentioned above, will be available to shareholders or their representatives or brokers in the Company's headquarters located at Av. Parque Via # 198 2nd floor-202, Col. Cuauhtémoc, Mexico City, Mexico, (Phone (5255) 52 22 58 54) in business days and office hours.

Mexico City, April 5, 2010

Sergio Medina Noriega

Secretary of the Board of Directors

SIGNATURE

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned, thereunto duly authorized.

Date: April 5, 2010.

TELÉFONOS DE MÉXICO, S.A.B. DE C.V.

By: _____

Name: Adolfo Cerezo Pérez

Ref: Teléfonos de México, S.A.B. de C.V. TELMEX CALLING FOR ANNUAL AND SPECIAL SHAREHOLDERS' MEETINGS, APRIL 5, 2010.

Title: Chief Financial Officer