

TELEFONICA S A  
Form 6-K  
February 25, 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 February, 2010**  
**Commission File Number: 001-09531**  
**Telefónica, S.A.**

(Translation of registrant's name into English)

**Distrito C, Ronda de la Comunicación s/n,**  
**28050 Madrid, Spain**  
**3491-482 85 48**

(Address of principal executive offices)

Indicate by check mark whether the registrant files or will file annual reports under cover of Form 20-F or Form 40-F:

Form 20-F  Form 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):

Yes  No

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):

Yes  No

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  No

If "Yes" is marked, indicate below the file number assigned to the registrant in connection with Rule 12g3-2(b): N/A

**Telefónica, S.A.**  
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**RAMIRO SÁNCHEZ DE LERÍN GARCÍA-OVÍES**

General Secretary

and Secretary to the Board of Directors

**TELEFÓNICA, S.A.**

TELEFÓNICA, S.A. hereby reports the following

**NOTICE**

Telefónica, S.A. will hold a conference call with analysts at 4:00 p.m. (Madrid) tomorrow, February 26<sup>th</sup>, 2010, to announce its second half yearly financial information.

This conference call will be broadcasted live via Internet at:

<http://www.telefonica.es/accionistaseinversores/>

Likewise, the presentation for the conference call will be available before it starts on the Company's web site. Madrid, February 25<sup>th</sup>, 2010

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SIGNATURES

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.

**Telefónica, S.A.**

Date: February 25<sup>th</sup>, 2010

By: /s/ Ramiro Sánchez de Lerín García-Ovies

Name: Ramiro Sánchez de Lerín García-Ovies  
Title: General Secretary and Secretary to the Board  
of Directors