

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

SCHEDULE 13G

Under the Securities Exchange Act of 1934  
(Amendment No. 5)\*

FARO Technologies, Inc.

(Name of Issuer)

Common Stock, \$.001 par value

(Title of Class of Securities)

311642 10 2

(CUSIP Number)

December 31, 2006

(Date of Event Which Requires Filing of this Statement)

Check the appropriate box to designate the rule pursuant to which this Schedule is filed:

Rule 13d-1(b)

Rule 13d-1(c)

Rule 13d-1(d)

\* The remainder of this cover page shall be filled out for a reporting person's initial filing on this form with respect to the subject class of securities, and for any subsequent amendment containing information which would alter disclosures provided in a prior cover page.

The information required on the remainder of this cover page shall not be deemed to be "filed" for the purpose of Section 18 of the Securities Exchange Act of 1934 ("Act") or otherwise subject to the liabilities of that section of the Act but shall be subject to all other provisions of the Act (however, see the Notes).

(Continued on following page(s))  
Page 1 of 11 Pages

CUSIP No. 311642 10 2

1 NAME OF REPORTING PERSONS  
I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY)

Simon Raab

2 CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (SEE INSTRUCTIONS)  
(a)   
(b)

3 SEC USE ONLY

4 CITIZENSHIP OR PLACE OF ORGANIZATION

Canada

5 SOLE VOTING POWER  
NUMBER OF SHARES BENEFICIALLY 1,250,562

6 SHARED VOTING POWER



Item 1(a). Name of Issuer:  
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FARO Technologies, Inc.

Item 1(b). Address of Issuer's Principal Executive Offices:  
-----

125 Technology Park, Lake Mary, Florida 32746

Item 2(a). Name of Person Filing:  
-----

Simon Raab

Item 2(b). Address of Principal Business Office or, if none,  
-----  
Residence:  
-----

125 Technology Park, Lake Mary, Florida 32746

Item 2(c). Citizenship:  
-----

Canada

Item 2(d). Title of Class of Securities:  
-----

Common Stock

Item 2(e). CUSIP Number:  
-----

311642 10 2

Item 3. If this statement is filed pursuant to Rules  
-----  
13d-1(b), or 13d-2(b) or (c), check whether the  
-----  
person filing is a:  
-----

N/A

Item 4. Ownership (as of December 31, 2006)  
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(a) Amount Beneficially Owned: 1,250,562

(b) Percent of Class: 8.60%

(c) Number of shares as to which such person has:

(i) sole power to vote or to direct the vote:

1,250,562

(ii) shared power to vote or to direct the vote:

(iii) sole power to dispose or to direct the disposition of:

1,250,562

(iv) shared power to dispose or to direct the disposition of:

Item 5. Ownership of Five Percent or Less of a Class.  
-----

N/A

Item 6. Ownership of More than Five Percent on Behalf of  
-----  
Another Person.  
-----

N/A

Item 7. Identification and Classification of the  
-----  
Subsidiary Which Acquired the Security Being  
-----  
Reported on By the Parent Holding Company.  
-----

N/A

Item 8. Identification and Classification of Members of  
-----  
the Group.  
-----

See Attached Exhibit A.

Item 9. Notice of Dissolution of Group.  
-----

N/A

Item 10. Certification.  
-----

N/A

SIGNATURE

After reasonable inquiry and to the best of my knowledge and belief,  
I certify that the information set forth in this statement is true, complete and  
correct.

February 14, 2007

-----  
Date

/s/ Simon Raab

-----  
[Signature]

Simon Raab

-----  
[Name/Title]



Item 1(a). Name of Issuer:  
-----

FARO Technologies, Inc.

Item 1(b). Address of Issuer's Principal Executive Offices:  
-----

125 Technology Park, Lake Mary, Florida 32746

Item 2(a). Name of Person Filing:  
-----

Xenon Research, Inc.

Item 2(b). Address of Principal Business Office or, if none,  
-----

Residence:  
-----

125 Technology Park, Lake Mary, Florida 32746

Item 2(c). Citizenship:  
-----

Florida

Item 2(d). Title of Class of Securities:  
-----

Common Stock

Item 2(e). CUSIP Number:  
-----

311642 10 2

Item 3. If this statement is filed pursuant to Rules  
-----  
13d-1(b), or 13d-2(b) or (c), check whether the  
-----  
person filing is a:  
-----

N/A

Item 4. Ownership (as of December 31, 2006)  
-----

(a) Amount Beneficially Owned: 944,041

(b) Percent of Class: 6.49%

- c) Number of shares as to which such person has:
  - (i) sole power to vote or to direct the vote:  
944,041
  - (ii) shared power to vote or to direct the vote:
  - (iii) sole power to dispose or to direct the disposition of:  
944,041
  - (iv) shared power to dispose or to direct the disposition of:

Item 5. Ownership of Five Percent or Less of a Class.  
-----

N/A

Item 6. Ownership of More than Five Percent on Behalf of  
-----  
Another Person.  
-----

N/A

Item 7. Identification and Classification of the  
-----  
Subsidiary Which Acquired the Security Being  
-----  
Reported on By the Parent Holding Company.  
-----

N/A

Item 8. Identification and Classification of Members of  
-----  
the Group.  
-----

See Attached Exhibit A.

Item 9. Notice of Dissolution of Group.  
-----

N/A

Item 10. Certification.  
-----

N/A



-----  
CUSIP No. 311642 10 2  
-----

SIGNATURE

After reasonable inquiry and to the best of my knowledge and belief,  
I certify that the information set forth in this statement is true, complete and  
correct.

February 14, 2007  
-----

Date

/s/ Simon Raab  
-----

[Signature]

Simon Raab, President of Xenon Research, Inc.  
-----

[Name/Title]

EXHIBIT A

1. Simon Raab, Chairman of the Board for FARO Technologies, Inc., along with his wife, Diana Raab, own all of the outstanding shares of Xenon Research, Inc. Mr. Raab has voting and investment control over the 944,041 shares of FARO Technologies, Inc. held by Xenon Research, Inc. and beneficial ownership of these shares has been attributed to Mr. Raab.

2. Simon Raab individually has voting and investment control over 306,521 shares of FARO Technologies, Inc.

EXHIBIT B

JOINT FILING AGREEMENT

In accordance with Rule 13d-1(k) under the Securities Exchange Act of 1934, the persons named below agree to the joint filing on behalf of each of them of this Schedule 13G with respect to the common stock of FARO Technologies, Inc. and further agree that this Joint Filing Agreement may be included as an Exhibit to such joint filing.

Date: February 14, 2007

Simon Raab

/s/ Simon Raab

-----  
[Signature]

Xenon Research, Inc.

/s/ Simon Raab, President

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[Signature]