

SECURITIES AND EXCHANGE COMMISSION  
Washington, D.C. 20549

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SCHEDULE 13G  
(Rule 13d-102)

INFORMATION TO BE INCLUDED IN STATEMENTS FILED PURSUANT  
TO RULES 13d-1(b), (c) AND (d) AND AMENDMENTS THERETO FILED  
PURSUANT TO RULE 13d-2(b)

(Amendment No. \_\_\_\_\_)1

Pilot Network Services, Inc.

-----  
(Name of Issuer)

Common Stock

-----  
(Title of Class of Securities)

721596 10 4

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(CUSIP Number)

January 5, 2000

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(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)

1/ 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 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).

CUSIP No. 721596 10 4

13G

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

Primus Telecommunications Group, Incorporated  
IRS No. 54-1708481

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2 CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP\*

(a)   
(b)

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3 SEC USE ONLY

4 CITIZENSHIP OR PLACE OF ORGANIZATION

Delaware

NUMBER OF SHARES BENEFICIALLY OWNED BY  EACH REPORTING PERSON WITH	5	SOLE VOTING POWER 1,119,540 (includes 200,000 shares issuable under warrants exercisable within 60 days of January 5, 2000)
	6	SHARED VOTING POWER 0
	7	SOLE DISPOSITIVE POWER 1,119,540 (includes 200,000 shares issuable under warrants exercisable within 60 days of January 5, 2000)
	8	SHARED DISPOSITIVE POWER 0

9 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

1,119,540 (includes 200,000 shares issuable under warrants  
exercisable within 60 days of January 5, 2000)

10 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES  
CERTAIN SHARES\*

| |

11 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)  
7.5% (includes 200,000 shares issuable under warrants  
exercisable within 60 days of January 5, 2000)

12 TYPE OF REPORTING PERSON\*

CO

\*SEE INSTRUCTIONS BEFORE FILLING OUT!

- Item 1 (a): Name of Issuer:  
Pilot Network Services, Inc.
- (b): Address of Issuer's Principal Executive Offices:  
1080 Marina Village Parkway  
Alameda, CA 94501
- Item 2 (a): Name of Persons Filing:  
Primus Telecommunications Group, Incorporated
- (b): Address of Principal Business Office or, if None,  
Residence:  
1700 Old Meadow Road  
Suite 300  
McLean, VA 22102
- (c): Citizenship:  
Primus Telecommunications Group, Incorporated is organized  
under the laws of the state of Delaware.
- (d): Title of Class of Securities:  
Common Stock of Pilot Network Services, Inc. ("Common Stock")
- (e): CUSIP Number  
721596 10 4
- Item 3: If this Statement is Filed Pursuant to Rule 13d-1(b), or  
13d-2(b) or (c), Check Whether the Person Filing is a:
- (a) | | Broker or dealer registered under Section 15 of the  
Exchange Act.
- (b) | | Bank as defined in Section 3(a)(6) of the Exchange  
Act.

- (c) | | Insurance company as defined in Section 3(a)(19) of the Exchange Act.
- (d) | | Investment company registered under Section 8 of the Investment Company Act.
- (e) | | An investment adviser in accordance with Rule 13d-1(b)(1)(ii)(E);
- (f) | | An employee benefit plan or endowment fund in accordance with Rule 13d-1(b)(1)(ii)(F);
- (g) | | A parent holding company or control person in accordance with Rule 13d-1(b)(1)(ii)(G);
- (h) | | A savings association as defined in Section 3(b) of the Federal Deposit Insurance Act;
- (i) | | A church plan that is excluded from the definition of an investment company under Section 3(c)(14) of the Investment Company Act;
- (j) | | Group, in accordance with Rule 13d-1(b)(1)(ii)(J).

If this statement is filed pursuant to Rule 13d-1(c),  
check this box

Item 4: Ownership:

As of January 10, 2000, Primus Telecommunications Group,  
Incorporated beneficially owns in the aggregate the following:

- (a) Amount Beneficially Owned:  
1,119,540 shares of Common Stock (includes 200,000  
shares issuable under warrants exercisable within 60  
days of January 5, 2000)
- (b) Percent of class:  
7.5% (includes 200,000 shares issuable under warrants  
exercisable within 60 days of January 5, 2000)

- (c) Number of shares to which such person has:
- (i) Sole power to vote or to direct the vote:  
1,119,540 (includes 200,000 shares issuable under warrants exercisable within 60 days of January 5, 2000)
  - (ii) Shared power to vote or to direct the vote:  
0
  - (iii) Sole power to dispose or to direct the disposition of:  
1,119,540 (includes 200,000 shares issuable under warrants exercisable within 60 days of January 5, 2000)
  - (iv) Shared power to dispose or to direct the disposition of:  
0

Item 5: Ownership of Five Percent or Less of Class:

Not applicable.

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

Not applicable.

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

Not applicable.

Item 8: Identification and Classification of Members of the Group:

Not applicable.

Item 9: Notice of Dissolution of Group:

Not applicable.

## Item 10: Certification:

By signing below, the undersigned certifies that, to the best of its knowledge and belief, the securities referred to above were not acquired and are not held for the purpose of or with the effect of changing or influencing the control of the issuer of the securities and were not acquired and are not held in connection with or as a participant in any transaction having that purpose or effect.

## SIGNATURE

After reasonable inquiry and to the best of its knowledge and belief, the undersigned certifies that the information set forth in this Statement is true, complete and correct.

Date: January 10, 2000

Primus Telecommunications  
Group, Incorporated, a Delaware  
Corporation

By: /s/ Neil L. Hazard

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Neil L. Hazard  
Executive Vice President and Chief  
Financial Officer