

CRITICARE SYSTEMS INC /DE/
Form 4/A
August 25, 2006

FORM 4

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

OMB APPROVAL

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Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, Section 17(a) of the Public Utility Holding Company Act of 1935 or Section 30(h) of the Investment Company Act of 1940

(Print or Type Responses)

1. Name and Address of Reporting Person *
BlueLine Partners, L.L.C.

2. Issuer Name and Ticker or Trading Symbol
CRITICARE SYSTEMS INC /DE/
[CMD]

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

(Last) (First) (Middle)

3. Date of Earliest Transaction
(Month/Day/Year)

___ Director ___X___ 10% Owner
___ Officer (give title below) ___X___ Other (specify below)

See Remarks Section

4115 BLACKHAWK PLAZA
CIRCLE,

08/23/2006

(Street)

4. If Amendment, Date Original Filed(Month/Day/Year)
08/22/2006

6. Individual or Joint/Group Filing(Check Applicable Line)

___ Form filed by One Reporting Person
X Form filed by More than One Reporting Person

DANVILLE, CA 94506

(City) (State) (Zip)

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

| 1. Title of Security (Instr. 3) | 2. Transaction Date (Month/Day/Year) | 2A. Deemed Execution Date, if any (Month/Day/Year) | 3. Transaction Code (Instr. 8) | 4. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5) | 5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4) | 6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4) | 7. Nature of Ownership (Instr. 4) |
|---------------------------------|--------------------------------------|--|--------------------------------|---|---|--|-----------------------------------|
| | | | | (A) or (D) | Price | | |
| | | | | Code V | Amount | | |
| Common Stock | 08/23/2006 | | P | A | \$ 500 3.32 | 872,000 | D |
| Common Stock | 08/23/2006 | | P | A | \$ 500 3.33 | 872,500 | D |

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB control number.

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(9-02)

Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned
(e.g., puts, calls, warrants, options, convertible securities)

| 1. Title of Derivative Security (Instr. 3) | 2. Conversion or Exercise Price of Derivative Security | 3. Transaction Date (Month/Day/Year) | 3A. Deemed Execution Date, if any (Month/Day/Year) | 4. Transaction Code (Instr. 8) | 5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5) | 6. Date Exercisable and Expiration Date (Month/Day/Year) | 7. Title and Amount of Underlying Securities (Instr. 3 and 4) | 8. Price of Derivative Security (Instr. 5) | 9. Number of Derivative Securities Owned Beneficially (Instr. 5) |
|--|--|--------------------------------------|--|--------------------------------|---|--|---|--|--|
| | | | | Code | V (A) (D) | Date Exercisable | Expiration Date | Title | Amount or Number of Shares |

Reporting Owners

| Reporting Owner Name / Address | Relationships | | | |
|---|---------------|-----------|---------|---------------------|
| | Director | 10% Owner | Officer | Other |
| BlueLine Partners, L.L.C. 4115 BLACKHAWK PLAZA CIRCLE DANVILLE, CA 94506 | | X | | See Remarks Section |
| BlueLine Partners, L.L.C. 4115 BLACKHAWK PLAZA CIRCLE, NO. 100 DANVILLE, CA 94506 | | X | | See Remarks Section |
| BlueLine Capital Partners, L.P. 4115 BLACKHAWK PLAZA CIRCLE, NO. 100 DANVILLE, CA 94506 | | X | | See Remarks Section |
| BLUELINE CATALYST FUND VII LP 4115 BLACKHAWK PLAZA CIRCLE SUITE 100 DANVILLE, CA 94506 | | X | | See Remarks Section |

Signatures

Scott A. Shuda, by power of attorney for all Reporting Persons 08/25/2006

__Signature of Reporting Person

Date

Explanation of Responses:

* If the form is filed by more than one reporting person, see Instruction 4(b)(v).

** Intentional misstatements or omissions of facts constitute Federal Criminal Violations. See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).

Remarks:

See Attached Footnotes 1, 2 and 3

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Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure.
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