Knudson Joel D Form 4 April 25, 2008

FORM 4

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

Check this box

if no longer subject to Section 16. Form 4 or

Form 5 obligations

may continue. See Instruction 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(b).

1. Name and Address of Reporting Person *

Knudson Joel D

(Last) (First) (Middle)

C/O CRITICARE SYSTEMS. INC., 20925 CROSSROADS CIRCLE, SUITE 100

(Street)

2. Issuer Name and Ticker or Trading

Symbol

CRITICARE SYSTEMS INC /DE/ [CMD]

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

04/04/2008

OMB APPROVAL

OMB Number:

3235-0287

Expires:

January 31, 2005

Estimated average burden hours per

response...

0.5

5. Relationship of Reporting Person(s) to

Issuer

(Check all applicable)

Director 10% Owner

X_ Officer (give title Other (specify below) Vice President-Finance

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

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

WAUKESHA, WI 53186

1.Title of 2. Transaction Date 2A. Deemed

(State)

(Month/Day/Year)

Execution Date, if

(Zip)

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned 3. 4. Securities

Code (Month/Day/Year) (Instr. 8)

U

4. If Amendment, Date Original

Filed(Month/Day/Year)

TransactionAcquired (A) or Disposed of (D) (Instr. 3, 4 and 5)

5. Amount of Securities Beneficially Owned Following

Form: Direct (D) or Indirect (I) (Instr. 4)

6. Ownership 7. Nature of Indirect Beneficial Ownership (Instr. 4)

Reported (A) Transaction(s)

(Instr. 3 and 4) Code V Amount (D) Price

Common

(City)

Security

(Instr. 3)

Stock, par value \$.04 per share

04/04/2008

340 (1) D

11.268

D

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

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SEC 1474 (9-02)

1

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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. Transactic Code (Instr. 8)	5. Number of ionDerivative 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)	
				Code V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amour or Numbe of Shar
Common Stock Option	\$ 4.37	04/10/2008		D		2,000	02/02/2005(2)	02/02/2014	Common Stock	2,000
Common Stock Option	\$ 3.05	04/10/2008		D		3,000	06/07/2005(3)	06/07/2014	Common Stock	3,000
Common Stock Option	\$ 2.61	04/10/2008		D		50,000	08/20/2005(4)	08/20/2014	Common Stock	50,00
Common Stock Option	\$ 3.7	04/10/2008		D		20,000	01/17/2006(5)	01/17/2015	Common Stock	20,00
Common Stock Option	\$ 5.19	04/10/2008		D		5,000	09/09/2006(6)	09/09/2015	Common Stock	5,000
Common Stock Option	\$ 3.45	04/10/2008		D		20,000	02/05/2008(7)	02/05/2017	Common Stock	20,00

Reporting Owners

Reporting Owner Name / Address

Director 10% Owner Officer Other

Knudson Joel D C/O CRITICARE SYSTEMS, INC. 20925 CROSSROADS CIRCLE, SUITE 100 WAUKESHA, WI 53186

Signatures

Joel D. Knudson 04/24/2008

**Signature of Pate Reporting Person Date

Vice President-Finance

Reporting Owners 2

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).
- (1) Consists of 340 shares of common stock purchased pursuant to the Criticare Systems, Inc. Employee Stock Purchase Plan.
- This option, which provided for vesting in four equal annual installments beginning February 2, 2005, was cancelled in a merger in exchange for a cash payment representing the difference between the exercise price of the option and the market value of the underlying common stock on the effective date of the merger (\$5.50 per share).
- This option, which provided for vesting in four equal annual installments beginning June 7, 2005, was cancelled in a merger in exchange (3) for a cash payment representing the difference between the exercise price of the option and the market value of the underlying common stock on the effective date of the merger (\$5.50 per share).
- This option, which provided for vesting in four equal annual installments beginning August 20, 2005, was cancelled in a merger in exchange for a cash payment representing the difference between the exercise price of the option and the market value of the underlying common stock on the effective date of the merger (\$5.50 per share).
- This option, which provided for vesting in four equal annual installments beginning January 17, 2006, was cancelled in a merger in exchange for a cash payment representing the difference between the exercise price of the option and the market value of the underlying common stock on the effective date of the merger (\$5.50 per share).
- This option, which provided for vesting in four equal annual installments beginning September 9, 2006, was cancelled in a merger in exchange for a cash payment representing the difference between the exercise price of the option and the market value of the underlying common stock on the effective date of the merger (\$5.50 per share).
- This option, which provided for vesting in four equal annual installments beginning February 5, 2008, was cancelled in a merger in exchange for a cash payment representing the difference between the exercise price of the option and the market value of the underlying common stock on the effective date of the merger (\$5.50 per share).

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.