

CRITICARE SYSTEMS INC /DE/  
 Form 4  
 March 28, 2007

**FORM 4**

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

OMB APPROVAL

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**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 \*  
 DIAZ DREW M

(Last) (First) (Middle)

CRITICARE SYSTEMS,  
 INC., 20925 CROSSROADS  
 CIRCLE, SUITE 100

(Street)

WAUKESHA, WI 53186

(City) (State) (Zip)

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

3. Date of Earliest Transaction  
 (Month/Day/Year)  
 03/26/2007

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

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

Director  10% Owner  
 Officer (give title below)  Other (specify below)  
 Vice President-Worldwide Sales

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

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

**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)	Code V	Amount	Price	

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

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SEC 1474  
 (9-02)

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

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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)	
				Code	V (A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares
Common Stock Option	\$ 3.08	03/26/2007		D <sup>(1)</sup>	4,000	04/06/2005	04/06/2007	Common Stock	4,000
Common Stock Option	\$ 3.71	03/26/2007		A <sup>(1)</sup>	4,000	03/26/2007	03/26/2009	Common Stock	4,000

## Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
DIAZ DREW M CRITICARE SYSTEMS, INC. 20925 CROSSROADS CIRCLE, SUITE 100 WAUKESHA, WI 53186			Vice President-Worldwide Sales	

## Signatures

Drew M. Diaz 03/27/2007

     \*\*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).
- (1) Amendment of the outstanding option resulted in the deemed cancellation of the option and the grant of a replacement option. The option was originally granted on April 6, 2005 and was immediately exercisable on the date of grant.

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.