

Owen Randel G
 Form 4
 February 22, 2010

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 *
 Owen Randel G

2. Issuer Name and Ticker or Trading Symbol
 Emergency Medical Services CORP [EMS]

5. Relationship of Reporting Person(s) to Issuer
 (Check all applicable)
 Director 10% Owner
 Officer (give title below) Other (specify below)
 Chief Financial Officer

(Last) (First) (Middle)
 C/O EMERGENCY MEDICAL SERVICES CORP., 6200 S. SYRACUSE WAY, SUITE 200
 (Street)

3. Date of Earliest Transaction (Month/Day/Year)
 02/18/2010

GREENWOOD VILLAGE, CO 80111-4737

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

6. Individual or Joint/Group Filing (Check Applicable Line)
 Form filed by One Reporting Person
 Form filed by More than One Reporting Person

(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 Indirect Beneficial Ownership (Instr. 4)
				(A) or (D)	Price		
Class A Common Stock	02/18/2010		M	25,800 A	\$ 6.67	61,425	D
Class A Common Stock	02/18/2010		S ⁽¹⁾	25,800 D	\$ 53.0201 ⁽²⁾	35,625	D
Class A Common Stock	02/19/2010		M	24,200 A	\$ 6.67	59,825	D

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Class A					\$		
Common	02/19/2010		S ⁽¹⁾	24,200	D	53.0885	35,625
Stock						<u>(3)</u>	D

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

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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. 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. Amount or Number of Shares
Stock option (right to buy)	\$ 6.67	02/18/2010		M	25,800	<u>(4)</u> 02/10/2015	Class A Common Stock	25,800
Stock option (right to buy)	\$ 6.67	02/19/2010		M	24,200	<u>(4)</u> 02/10/2015	Class A Common Stock	24,200

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
Owen Randel G C/O EMERGENCY MEDICAL SERVICES CORP. 6200 S. SYRACUSE WAY, SUITE 200 GREENWOOD VILLAGE, CO 80111-4737			Chief Financial Officer	

Signatures

/s/ Todd G. Zimmerman, as attorney-in-fact

02/22/2010

 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) This sale was effected pursuant to a Rule 10b5-1 trading plan adopted by the reporting person on March 4, 2009.

The price reported in column 4 is a weighted average price. These shares were sold in multiple transactions at prices ranging from \$53.00 to \$53.62, inclusive. The reporting person undertakes to provide to the issuer, any security holder of the issuer, or the staff of the Securities and Exchange Commission, upon request, full information regarding the number of shares sold at each separate price within the range set forth in this Form 4.

(2) The price reported in column 4 is a weighted average price. These shares were sold in multiple transactions at prices ranging from \$53.00 to \$53.78, inclusive. The reporting person undertakes to provide to the issuer, any security holder of the issuer, or the staff of the Securities and Exchange Commission, upon request, full information regarding the number of shares sold at each separate price within the range set forth in this Form 4.

(4) The option is fully vested.

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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