Zimmerman Todd G Form 4

December 21, 2010

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

Check this box if no longer subject to Section 16. Form 4 or

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF **SECURITIES**

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Form 5 obligations may continue. See Instruction

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

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person * 5. Relationship of Reporting Person(s) to 2. Issuer Name and Ticker or Trading Zimmerman Todd G Issuer Symbol **Emergency Medical Services CORP** (Check all applicable) [EMS] (Last) (First) (Middle) 3. Date of Earliest Transaction Director 10% Owner Other (specify _X__ Officer (give title (Month/Day/Year) below) C/O EMERGENCY MEDICAL 03/12/2010 Executive VP and Secretary SERVICES CORP., 6200 S. SYRACUSE WAY, SUITE 200 (Street) 4. If Amendment, Date Original 6. Individual or Joint/Group Filing(Check Filed(Month/Day/Year) Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting **GREENWOOD** VILLAGE, CO 80111-4737 (State) (City) (Zip) Table I. Non-Derivative Securities Acquired Disposed of or Reneficially Owned

| ` ** | · · · · · · · · · · · · · · · · · · · | Tab | ie i - Non- | Derivative | Secui | rues Acquii | ea, Disposea oi, | or beneficially | Owned |
|--------------------------------|-----------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|--------------|-----------|------------------------------------------------------------------------------|-----------------------------------------------|-------------------------------------------------------------------|-------|
| 1.Title of Security (Instr. 3) | 2. Transaction Date (Month/Day/Year) | Transaction Date 2A. Deemed 3. 4. Securities Month/Day/Year) Execution Date, if Transactionor Dispose any Code (Instr. 3, 4 (Month/Day/Year) (Instr. 8) | | ed of (| (D) | 5. Amount of Securities Beneficially Owned Following Reported | 6. Ownership Form: Direct (D) or Indirect (I) | 7. Nature of Indirect Beneficial Ownership (Instr. 4) | |
| | | | Code V | Amount | or (D) | Price | Transaction(s) (Instr. 3 and 4) | (Instr. 4) | |
| Class A Common Stock | 03/12/2010 | | F | 1,943 (1) | D | \$ 55.16 | 64,516 | D | |
| Class A Common Stock | 12/17/2010 | | M | 10,000 | A | \$ 6.67 | 74,516 | D | |
| Class A Common Stock | 12/17/2010 | | S(2) | 13,375 | D | \$ 63.6764 (3) | 61,141 | D | |

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

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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 Conversion Security or Exercise (Instr. 3) 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 orderivative 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 |
| Stock option (right to buy) | \$ 6.67 | 12/17/2010 | | M | 10,000 | <u>(4)</u> | 02/10/2015 | Class A Common Stock | 10,000 |

Reporting Owners

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

Zimmerman Todd G C/O EMERGENCY MEDICAL SERVICES CORP. 6200 S. SYRACUSE WAY, SUITE 200 GREENWOOD VILLAGE, CO 80111-4737

Executive VP and Secretary

Signatures

/s/ Todd G.

Zimmerman 12/21/2010

**Signature of Reporting 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) Represents the withholding of shares upon the vesting of restricted stock on March 12, 2010 to satisfy income tax obligations, as disclosed in the issuer's Quarterly Report on Form 10-Q for the quarter ended September 30, 2010.
- (2) This sale was effected pursuant to a Rule 10b5-1 trading plan adopted by the reporting person on March 2, 2010.
- (3) The price reported in column 4 is a weighted average price. These shares were sold in multiple transactions at prices ranging from \$63.52 to \$63.93, inclusive. The reporting person undertakes to provide to the issuer, any security holder of the issuer, or the staff of the

Reporting Owners 2

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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.

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