

Herwig Matthew J  
Form 4  
January 10, 2011

**FORM 4**

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

OMB APPROVAL

OMB Number: 3235-0287  
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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 \*  
Herwig Matthew J

2. Issuer Name and Ticker or Trading Symbol  
CAS MEDICAL SYSTEMS INC  
[CASM]

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

(Last) (First) (Middle)

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

\_\_\_\_ Director \_\_\_\_\_ 10% Owner  
 Officer (give title below) \_\_\_\_\_ Other (specify below)

VP of Sales and Marketing

C/O CAS MEDICAL SYSTEMS, INC., 44 INDUSTRIAL ROAD

01/07/2011

(Street)

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

BRANFORD, CT 06405

(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)
Common Stock	01/07/2011		A	V Amount (D) Price 25,000 A \$ 0 (1)	25,000	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.**

SEC 1474  
(9-02)

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

## Edgar Filing: Herwig Matthew J - Form 4

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)	Amount of Number of Shares			
				Code	V	(A)	(D)	Date Exercisable	Expiration Date	Title	
Stock Option	\$ 3.16	01/07/2011		A		150,000		(2)	01/07/2021	Common Stock	150,000

## Reporting Owners

### Reporting Owner Name / Address

### Relationships

Director      10% Owner      Officer      Other

Herwig Matthew J  
C/O CAS MEDICAL SYSTEMS, INC.  
44 INDUSTRIAL ROAD  
BRANFORD, CT 06405

VP of Sales  
and Marketing

## Signatures

/s/Matthew J.

Herwig

01/10/2011

\_\_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) Grant of restricted common stock, 25% of which vests one year from date of grant and remaining 75% vests in equal parts quarterly beginning April 1, 2012 and ending January 1, 2015.

(2) 25% will vest one year from the date of grant, with the remaining 75% vesting in equal parts monthly over the following 36 months.

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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