

CAS MEDICAL SYSTEMS INC  
Form 8-K  
July 20, 2009

---

---

UNITED STATES  
SECURITIES AND EXCHANGE COMMISSION

Washington, DC 20549

FORM 8-K

CURRENT REPORT  
Pursuant to Section 13 or 15(d)  
of the Securities Exchange Act of 1934

Date of Report (Date of earliest event reported): July 14, 2009

CAS MEDICAL SYSTEMS, INC.  
(Exact name of Registrant as specified in its charter)

Delaware  
(State or other jurisdiction  
of incorporation)

0-13839  
(Commission File Number)

06-1123096  
(I.R.S. Employer  
Identification No.)

44 East Industrial Road, Branford, Connecticut 06405  
(Address of principal executive offices, including zip code)

(203) 488-6056  
(Registrant's telephone number, including area code)

Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions (see General Instruction A.2. below):

- Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)
- Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)

- o Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))
  - o Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))
- 
-

Item DEPARTURE OF DIRECTORS OR CERTAIN OFFICERS; ELECTION OF DIRECTORS; APPOINTMENT  
5.02. OF CERTAIN OFFICERS; COMPENSATORY ARRANGEMENTS OF CERTAIN OFFICERS

(b) On July 14, 2009, Nathan B. Harris, Vice President, Sales and Marketing of CAS Medical Systems, Inc., submitted his resignation, effective August 15, 2009.

SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned hereunto duly authorized.

CAS MEDICAL SYSTEMS, INC.

Date: July 20, 2009

By: /s/ Jeffery A. Baird  
Jeffery A. Baird  
Chief Financial Officer