

UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
WASHINGTON, D.C. 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): November 9, 2006

ESCO TECHNOLOGIES INC.
(Exact Name of Registrant as Specified in Charter)

Missouri (State or Other Jurisdiction of Incorporation)	1-10596 (Commission File Number)	43-1554045 (I.R.S. Employer Identification No.)
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9900A Clayton Road, St. Louis, Missouri (Address of Principal Executive Offices)	63124-1186 (Zip Code)
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Registrant's telephone number, including area code: 314-213-7200

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)
- Pre-commencement communications pursuant to Rule 14d-2 (b) under the Exchange Act (17 CFR 240.14d-2 (b))
- Pre-commencement communications pursuant to Rule 13e-4 (c) under the Exchange Act (17 CFR 240.113d-4 (c))

ITEM 5.02 Departure of Directors or Principal Officers; Election of Directors; Appointment of Principal Officers; Compensatory Arrangements of Certain Officers

On November 9, 2006, the Human Resources and Compensation Committee (the "Committee") of the Registrant's Board of Directors took the following actions with respect to the fiscal year 2007 bonuses to be paid to the Registrant's executive officers. Each executive officer's bonus target is divided between two plans: (i) the Performance Compensation Plan (the "PCP") and (ii) the Incentive Compensation Plan For Executive Officers (the "ICP"):

1. Under the PCP, the Committee approved the fiscal year 2007 evaluation criteria for the determination of the actual PCP bonuses to be paid to the executive officers after the end of the fiscal year. The Committee will evaluate and measure the performance of the executive officers based on the achievement of various Company and individual objectives, weighted as follows: operating results--20%; shareholder value--30%; economic profit improvement--10%; growth--10%; and individual objectives--30%.
2. Under the ICP, the Committee approved the fiscal year 2007 earnings per share matrix, which is the evaluation criterion for the determination of the actual ICP bonuses to be paid to the executive officers after the end of the fiscal year.

Prior to November 9, 2006, the Committee had, for each of the PCP and the ICP, approved the fiscal year 2007 bonus targets for the executive officers, as follows: V.L. Richey--20% of fiscal year 2007 total cash compensation; G.E.Muenster and A.S. Barclay--15% of fiscal year 2007 total cash compensation.

Actual bonuses to be paid under each of the PCP and the ICP for fiscal year 2007 may vary from their respective bonus targets: (i) depending on the extent to which performance exceeds or falls below the fiscal year 2007 evaluation criteria described in paragraph 1 above, in the case of the PCP; and (ii) based upon the application of the fiscal year 2007 ICP earnings per share matrix described in paragraph 2 above, in the case of the ICP.

SIGNATURE

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.

ESCO TECHNOLOGIES INC.

Dated: November 15, 2006

By: /s/ G.E. Muenster
G.E. Muenster
Senior Vice President and
Chief Financial Officer