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):

March 17, 2005

ULTRALIFE BATTERIES, INC.

(Exact name of registrant as specified in its charter)

Delaware

(State or other jurisdiction of incorporation or organization)

0-20852 16-1387013

(Commission File Number)

(I.R.S. Employer Identification No.)

(315) 332-7100

(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:

- [] 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 240.13e-4(c))

Item 7.01. Regulation FD Disclosure.

Ultralife Batteries, Inc. (the "Company") announced that it has been awarded a new production contract for its BA-5390/U battery valued at approximately \$7.4 million, by the U.S. Defense Department. The Company's press release is attached as Exhibit 99.1 to this Form 8-K, and the information set forth therein is furnished under item 7.01.

Item 9.01. Financial Statements, Pro Forma Financials and Exhibits.

- (a) Financial Statements of Business Acquired.
 - Not applicable.
- (b) Pro Forma Financial Information.

Not applicable.

- (c) Exhibits.
 - 99.1 Press Release dated March 17, 2005.

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.

ULTRALIFE BATTERIES, INC.

Dated: March 17, 2005.

By: $/s/Peter\ F.\ Comerford$

Vice President of Administration

& General Counsel

INDEX TO EXHIBITS

(99) Additional Exhibits

99.1 Press Release dated March 17, 2005.

Ultralife Batteries, Inc. Awarded \$7.4 Million Battery Contract by U.S. Defense Department

NEWARK, N.Y.--(BUSINESS WIRE)--March 17, 2005--Ultralife Batteries, Inc. (NASDAQ: ULBI) has been awarded a new production contract for its BA-5390/U battery valued at approximately \$7.4 million, by the U.S. Defense Department. This contract is independent of the Next Gen II, Phase IV five-year battery contract for the BA-5390 and four other rectangular military batteries, which the company was awarded in December 2004. Deliveries under this \$7.4 million contract are required to be completed by May 14.

"This contract once again affirms Ultralife's position as the leading supplier of lithium/manganese dioxide batteries to the U.S. Military," said John D. Kavazanjian, Ultralife's president and chief executive officer. "It also illustrates the military's commitment to adopting lithium/manganese dioxide batteries. We are gratified that this important customer continues to have confidence in Ultralife's ability to deliver product under tight deadlines so that it has an ongoing supply of BA-5390 batteries ahead of battery production under the Next Gen II, Phase IV contract."

Added Kavazanjian, "Deliveries under this contract are expected to occur in March and April. A substantial portion of these deliveries was anticipated in our first quarter revenue guidance. While we still expect revenue of \$18 million, due to the timing of the receipt of this contract it is possible that some revenue may shift into the second quarter. Our full year revenue estimate of 10% to 20% growth over the \$98.2 million we reported for 2004 remains unchanged."

The BA-5390/U is a lithium/manganese dioxide non-rechargeable battery, and, with 50 percent more energy, is an alternative to the lithium/sulfur dioxide BA-5590/U battery, the most widely used military battery in the U.S. Armed Forces. The BA-5390/U is widely used to power more than 50 military applications, such as the AN/PRC-119 SINCGARS (Single Channel Ground and Airborne Radio System) and the Javelin Medium Anti-Tank Missile Command Launch Unit. The BA-5390/U provides soldiers with the latest and best battery technology in a cost effective manner. More energy in each battery provides longer mission time with fewer batteries for soldiers to carry, and fewer batteries to ship and dispose of, all of which reduce cost to the military.

About Ultralife Batteries, Inc.

Ultralife is a global provider of power solutions for diverse applications. The company develops, manufactures and markets a wide range of non-rechargeable and rechargeable batteries, charging systems and accessories for use in military, industrial and consumer portable electronic products. Through its range of standard products and engineered solutions, Ultralife is able to provide the next generation of power systems. Industrial, retail and government customers include General Dynamics, Philips Medical Systems, Energizer, Kidde Safety, Lowe's, Radio Shack and the national defense agencies of the United States and United Kingdom, among others.

Ultralife's headquarters, principal manufacturing and research facilities are in Newark, New York, near Rochester. Ultralife (UK) Ltd., a second manufacturing facility, is located in Abingdon, U.K. Both facilities are ISO-9001 certified. Detailed information about Ultralife is available at www.ultralifebatteries.com.

This press release may contain forward-looking statements based on current expectations that involve a number of risks and uncertainties. The potential risks and uncertainties that could cause actual results to differ materially include: worsening global economic conditions, increased competitive environment and pricing pressures, disruptions related to restructuring actions and delays. Further information on these factors and other factors that could affect Ultralife's financial results is included in Ultralife's Securities and Exchange Commission (SEC) filings, including the latest Annual Report on Form 10-K.

 $\label{eq:Ultralife} \mbox{Ultralife Batteries,} \\ \mbox{Inc.}$

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or

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