SECURITIES AND EXCHANGE COMMISSION

WASHINGTON, DC 20549

FORM 8-K/A

CURRENT REPORT
PURSUANT TO SECTION 13 OR 15(d) OF THE
SECURITIES EXCHANGE ACT OF 1934

Date of Report (Date of earliest event reported): September 9, 2008

mPHASE TECHNOLOGIES, INC.

(Exact Name of Registrant as Specified in Charter)

New Jersey 000-24969 22-2287503 (State or Other (Commission File Jurisdiction of Number) (IRS Employer Incorporation)

587 Connecticut Ave., Norwalk, CT 06854-0566 (Address of Principal Executive Offices) (ZIP Code)

Registrant's telephone number, including area code: (203) 838-2741

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Item 8.01 Other Events

September 9, 2008 - mPhase Technologies, Inc. (OTC BB:XDSL.OB), through its wholly-owned subsidiary AlwaysReady, Inc., today announced that the company has been awarded a \$749,700 Phase II Small Business Technology Transfer Program (STTR) grant, part of the Small Business Innovation Research (SBIR) program, from the U.S. Army for continued development of a reserve Smart NanoBattery for a critical computer memory application.

EXHIBIT 99.1: PRESS RELEASE DATED SEPTEMBER 9, 2008

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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.

mPHASE TECHNOLOGIES

By: /s/ Martin S. Smiley
Martin S. Smiley
Executive Vice President,
Chief Financial Officer and
General Counsel

Date: September 9, 2008