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**UNITED STATES  
SECURITIES AND EXCHANGE COMMISSION**

Washington, DC 20549

**FORM 6-K**

**REPORT OF FOREIGN PRIVATE ISSUER  
PURSUANT TO RULE 13a-16 OR 15d-16 UNDER THE SECURITIES EXCHANGE ACT OF 1934**

For the month of March 2017

Commission File Number 001-33159

**AERCAP HOLDINGS N.V.**

(Translation of Registrant's Name into English)

**AerCap House, 65 St. Stephen's Green, Dublin 2, Ireland, +353 1 819 2010**

(Address of Principal Executive Office)

Indicate by check mark whether the registrant files or will file annual reports under cover of Form 20-F or Form 40-F.

Form 20-F

Form 40-F

Indicate by check mark if the registrant is submitting the Form 6-K in paper as permitted by Regulation S-T Rule 101(b)(1):

**Note:** Regulation S-T Rule 101(b)(1) only permits the submission in paper of a Form 6-K if submitted solely to provide an attached annual report to security holders.

Indicate by check mark if the registrant is submitting the Form 6-K in paper as permitted by Regulation S-T Rule 101(b)(7):

**Note:** Regulation S-T Rule 101(b)(7) only permits the submission in paper of a Form 6-K if submitted to furnish a report or other document that the registrant foreign private issuer must furnish and make public under the laws of the jurisdiction in which the registrant is incorporated, domiciled or legally organized (the registrant's "home country"), or under the rules of the home country exchange on which the registrant's securities are traded, as long as the report or other document is not a press release, is not required to be and has not been distributed to the registrant's security holders, and, if discussing a material event, has already been the subject of a Form 6-K submission or other Commission filing on EDGAR.

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**Other Events**

On December 19, 2016, AerCap Holdings N.V. (the “Company”) disclosed in a press release that Peter Juhas will become its Chief Financial Officer in 2017. In connection with that announcement, on March 31, 2017, Keith Helming resigned as Chief Financial Officer of the Company and Peter Juhas became the new Chief Financial Officer of the Company, in accordance with approval by the Board of Directors. Mr. Helming will remain an employee of the Company through May 31, 2017 to assist with transition matters.

The information contained in this Form 6-K is incorporated by reference into the Company’s Form F-3 Registration Statement File No. 333-205129 and Form S-8 Registration Statements File Nos. 333-180323, 333-154416, 333-165839, 333-194637 and 333-194638, and related Prospectuses, as such Registration Statements and Prospectuses may be amended from time to time.

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, thereunto duly authorized.

**AERCAP HOLDINGS N.V.**

By: /s/ Aengus Kelly

Name: Aengus Kelly

Title: Authorized Signatory

Date: March 31, 2017