Korteweg Pieter Form 4 January 21, 2011

FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549

Check this box if no longer subject to Section 16.

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF **SECURITIES**

Form 5 obligations may continue. See Instruction

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, Section 17(a) of the Public Utility Holding Company Act of 1935 or Section 30(h) of the Investment Company Act of 1940

2. Issuer Name and Ticker or Trading

AerCap Holdings N.V. [AER]

Form 4 or

1(b).

(Last)

Security

(Instr. 3)

(Print or Type Responses)

1. Name and Address of Reporting Person * Korteweg Pieter

Symbol

(First) (Middle)

AERCAP HOUSE. STATIONSPLEIN 965

(Street)

12/31/2010

3. Date of Earliest Transaction

3.

(Month/Day/Year)

4. If Amendment, Date Original Filed(Month/Day/Year)

Applicable Line)

5. Relationship of Reporting Person(s) to

OMB

Number:

Expires:

response...

Estimated average

burden hours per

OMB APPROVAL

3235-0287

January 31,

2005

0.5

Issuer

(Check all applicable)

X_ Director 10% Owner Officer (give title Other (specify below)

6. Individual or Joint/Group Filing(Check

X Form filed by One Reporting Person Form filed by More than One Reporting

5. Amount of

Securities

Owned

Beneficially

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

SCHIPHOL AIRPORT, P7 1117CE (City) (State) (Zip)

1.Title of 2. Transaction Date 2A. Deemed

(Month/Day/Year) Execution Date, if (Month/Day/Year)

TransactionAcquired (A) or Code Disposed of (D) (Instr. 8)

(Instr. 3, 4 and 5) (A)

or

4. Securities

Following Reported Transaction(s) (Instr. 3 and 4) Code V Amount (D) Price

6. Ownership 7. Nature of Form: Direct Indirect (D) or Indirect Beneficial (I) Ownership (Instr. 4) (Instr. 4)

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

Persons who respond to the collection of SEC 1474 information contained in this form are not (9-02)required to respond unless the form displays a currently valid OMB control number.

Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

1. Title of 3. Transaction Date 3A. Deemed Derivative Conversion (Month/Day/Year) Execution Date, if Security or Exercise any

5. Number Transaction of Derivative Expiration Date Code Securities

6. Date Exercisable and (Month/Day/Year)

7. Title and Amount of Underlying Securities

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(Instr. 3)	Price of Derivative Security		(Month/Day/Year)	(Instr.	8)	Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)			(Instr. 3 and 4)		
				Code	V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares
Ordinary Share Options	\$ 14.12	12/31/2010		J <u>(1)</u>		3,547		01/01/2014	12/31/2020	Ordinary Shares	3,547

Reporting Owners

Reporting Owner Name / Address	Relationships						
. 0	Director	10% Owner	Officer	Other			
Korteweg Pieter							
AERCAP HOUSE, STATIONSPLEIN 965	X						
SCHIPHOL AIRPORT, P7 1117CE							

Signatures

/s/ Pieter
Korteweg

**Signature of Reporting Person

O1/21/2011

Date

Explanation of Responses:

- * If the form is filed by more than one reporting person, see Instruction 4(b)(v).
- ** Intentional misstatements or omissions of facts constitute Federal Criminal Violations. See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).
- (1) Grant of Options. This Form is filed voluntarily. As a foreign private issuer, AerCap is exempted from Section 16 of the Exchange Act by Rule 3a12-3.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.

Reporting Owners 2