



AERCAP HOLDINGS N.V.

NOTICE OF ANNUAL GENERAL MEETING OF SHAREHOLDERS

Notice is hereby given of the annual general meeting of shareholders of AerCap Holdings N.V. (the "**Company**") to be held on Wednesday May 13, 2015 at 9:30 a.m. (Amsterdam time) at the offices of the Company at AerCap House, Stationsplein 965, 1117 CE Schiphol, The Netherlands (the "**Meeting**").

The agenda for the Meeting, including proposals made by the Board of Directors, is as follows:

1. Opening.
2. Annual report of the Board of Directors for the 2014 financial year (for discussion).
3. Disclosure of remuneration in the annual accounts for the 2014 financial year (for discussion).
4. Adoption of the annual accounts for the 2014 financial year (voting item).
5. Reservation and dividend policy (for discussion).
6. Release of liability of the directors with respect to their management during the 2014 financial year (voting item).
7. (a) Appointment of Mr. William N. Dooley as non-executive director for a period of four years (voting item).
(b) Re-appointment of the Company's Chairman, Mr. Pieter Korteweg, as non-executive director for a period of three years (voting item).
(c) Re-appointment of Mr. Salem R.A.A. Al Noaimi as non-executive director for a period of two years (voting item).
(d) Re-appointment of Mr. Homaid A.A.M. Al Shemmari as non-executive director for a period of two years (voting item).
8. Appointment of Mr. Keith A. Helming as the person referred to in article 16, paragraph 8 of the Company's articles of association (voting item).
9. Appointment of PricewaterhouseCoopers Accountants N.V. as the registered accountant (voting item).
10. (a) Authorization of the Board of Directors to repurchase ordinary shares (voting item).
(b) Conditional authorization of the Board of Directors to repurchase additional ordinary shares (voting item).

11. Reduction of capital through cancellation of the Company's ordinary shares that may be acquired by the Company (voting item).
12. Questions.
13. Closing.

Copies of the agenda for the Meeting stating the topics to be considered, the explanation to the agenda, the annual accounts and annual report for the financial year 2014, and other meeting documents (collectively, the "**Proxy Materials**") can be obtained free of charge by shareholders who are registered in the Company's shareholders' register ("**Holders of Registered Shares**"), shareholders who hold their shares indirectly through Cede & Co., as nominee for the Depositary Trust Company ("**Holders of Listed Shares**" and together with the Holders of Registered Shares, the "**Shareholders**" and such shares the "**Shares**"), others with meeting rights under Dutch law in respect of the Company ("**Others with Meeting Rights**") and their respective representatives until the close of the Meeting at the offices of the Company and at Broadridge Corporate Issuer Solutions, Inc., the Company's transfer agent in connection with the listing of the Company's shares at the New York Stock Exchange, at 1155 Long Island Avenue, Edgewood, NY, 11717, U.S.A. and are also available free of charge during the Meeting. Copies of the Proxy Materials are also available on the Company's website (www.aercap.com).

The Board of Directors has determined that only those who are Shareholders or Others with Meeting Rights on April 15, 2015 (the "**Record Date**") and who are registered in the Company's shareholders' register on that date, or have a valid proxy from such Shareholders or Others with Meeting Rights, may attend and, if applicable, vote at the Meeting. To the extent required, Holders of Registered Shares and Others with Meeting Rights may send a registration request by e-mail to shareholdersmeeting@aercap.com.

The Company will mail the Proxy Materials and a proxy form to Shareholders, who owned their Shares (whether or not through Cede & Co., as nominee for the Depositary Trust Company) on March 26, 2015. This mailing will allow Shareholders more time to read and consider the Proxy Materials. However, such Shareholders' votes will not count unless they are Shareholders on the Record Date.

The Company will make a second distribution of Proxy Materials following the Record Date to Shareholders who acquired their Shares after March 26, 2015 and who continued to hold their Shares up to and including the Record Date, to ensure that all Shareholders who hold Shares on the Record Date have the opportunity to vote.

It is recommended that Shareholders vote promptly after receipt of the Proxy

Materials and proxy form in accordance with the voting instructions contained therein, to allow sufficient time for the voting instructions and proxies to be tabulated.

Shareholders and Others with Meeting Rights wishing to exercise their meeting rights by submitting a proxy, must return the proxy in accordance with the instructions set forth in the proxy form no later than May 6, 2015. Shareholders and Others with Meeting Rights wishing to exercise their meeting rights in person must (i) notify the Company by submitting an e-mail stating their name and the number of Shares they hold, or to which their meeting rights relate, to shareholdersmeeting@aercap.com and (ii) in the case of Holders of Listed Shares, provide the Company with appropriate evidence of ownership of and authority to vote such Shares, no later than May 6, 2015.

Access to the Meeting by a Shareholder, Other with Meeting Rights or proxy holder is permitted after verification of personal identification.

For further information please see www.aercap.com.

Requests for information can also be sent to:
Shareholdersmeeting@aercap.com

The Board of Directors

March 31, 2015