AEROVIRONMENT, INC.
PROXY FOR ANNUAL MEETING OF STOCKHOLDERS

THIS PROXY IS SOLICITED ON BEHALF OF THE BOARD OF DIRECTORS

The undersigned, a stockholder of AeroVironment, Inc., a Delaware corporation (the "Company"), hereby nominates, constitutes and appoints Timothy E. Conver and Stephen C. Wright, or either one of them, as proxy of the undersigned, each with full power of substitution, to attend, vote and act for the undersigned at the annual meeting of stockholders of the Company, to be held on September 23, 2009, and any postponements or adjournments thereof, and in connection therewith, to vote and represent all of the shares of the Company which the undersigned would be entitled to vote with the same effect as if the undersigned were present, as follows:

(Continued and to be signed on the reverse side)
ANNUAL MEETING OF STOCKHOLDERS OF
AEROVIRONMENT, INC.
September 23, 2009

NOTICE OF INTERNET AVAILABILITY OF PROXY MATERIAL:
The Notice of Meeting, Proxy Statement, Proxy Card are available at http://investor.avinc.com

Please sign, date and mail your proxy card in the envelope provided as soon as possible.

Proposal 1. To elect the board of directors’ two nominees as directors:

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<td>Timothy E. Conver</td>
<td>Arnold L. Fishman</td>
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Proposal 2. To ratify the selection of Ernst & Young LLP as the Company’s independent registered public accounting firm for the fiscal year ending April 30, 2010:

The undersigned hereby confer(s) upon the proxies and each of them discretionary authority with respect to the election of directors in the event that any of the above nominees is unable or unwilling to serve.

The undersigned hereby revokes any other proxy to vote at the annual meeting, and hereby ratifies and confirms all that said attorneys and proxies, and each of them, may lawfully do by virtue hereof. With respect to matters not known at the time of the solicitation hereof, said proxies are authorized to vote in accordance with their best judgment.

THIS PROXY WILL BE VOTED IN ACCORDANCE WITH THE INSTRUCTIONS SET FORTH ABOVE OR, TO THE EXTENT NO CONTRARY DIRECTION IS INDICATED, WILL BE TREATED AS A GRANT OF AUTHORITY TO VOTE FOR ALL PROPOSALS. IF ANY OTHER BUSINESS IS PRESENTED AT THE ANNUAL MEETING, THIS PROXY CONFERS AUTHORITY TO AND SHALL BE VOTED IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE PROXIES.

The undersigned acknowledges receipt of a copy of the notice of annual meeting and accompanying proxy statement dated August 19, 2009 relating to the annual meeting.

MARK “X” HERE IF YOU PLAN TO ATTEND THE MEETING.