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 Jikun Kim, 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 October 4, 2012, 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.
October 4, 2012

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:

FOR ALL NOMINEES

Timothy E. Conver
Arnold L. Fishman

WITHHOLD AUTHORITY
FOR ALL NOMINEES

FOR ALL EXCEPT
(See instructions below)

Proposal 2. To ratify the selection of Ernst & Young LLP as the
Company’s independent registered public accounting firm:

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 CONFRS
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 24, 2012 relating to the annual meeting.

INSTRUCTIONS: To withhold authority to vote for any individual nominee(s), mark “FOR ALL EXCEPT”
and fill in the circle next to each nominee you wish to withhold, as shown here:

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