MEMORANDUM

DATE:        August 22, 2014
TO:          Deborah Gail Tatar, Christopher Special Frisina, Steve Harrison
FROM:        Virginia Tech Institutional Review Board (FWA00000572, expires April 25, 2018)

PROTOCOL TITLE:  Sound Of Fractions User Testing
IRB NUMBER:     14-831

On August 21, 2014, the Virginia Tech IRB Chair, David M Moore, approved the interim application for
the above-mentioned research protocol under 45 CFR 46.118.

This Interim approval only provides permission to being the initial planning required in developing
study procedures and forms under this protocol and does not provide permission to begin human
subject related activities. This Interim approval is being provided based on confirmation received from
you that study procedures involving human subjects will not be initiated until regular (i.e., non-Interim)
IRB approval is obtained.

Failure to obtain VT IRB approval prior to conducting human subject activities may result in serious
sanctions such as the destruction of data, termination of research and loss of privilege to conduct
research at Virginia Tech.

PROTOCOL INFORMATION:
Approved As:   Interim
Protocol Approval Date: August 21, 2014
Protocol Expiration Date: N/A
Continuing Review Due Date*: N/A

*Date a Continuing Review application is due to the IRB office if human subject activities covered
under this protocol, including data analysis, are to continue beyond the Protocol Expiration Date.

FEDERALLY FUNDED RESEARCH REQUIREMENTS:

Per federal regulations, 45 CFR 46.103(f), the IRB is required to compare all federally funded grant
proposals/work statements to the IRB protocol(s) which cover the human research activities included
in the proposal / work statement before funds are released. Note that this requirement does not apply
to Exempt and Interim IRB protocols, or grants for which VT is not the primary awardee.

The table on the following page indicates whether grant proposals are related to this IRB protocol, and
which of the listed proposals, if any, have been compared to this IRB protocol, if required.
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<th>Date*</th>
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* Date this proposal number was compared, assessed as not requiring comparison, or comparison information was revised.

If this IRB protocol is to cover any other grant proposals, please contact the IRB office (irbadmin@vt.edu) immediately.