

**Amendment 4 to the Western Regional Networking Agreement -
November 1, 2012 ("Effective Date")**

This AMENDMENT 4 ("AMENDMENT") is incorporated into the Western Regional Networking Agreement ("AGREEMENT") entered into as of December 1, 2009 and subsequently amended as described below by, and on behalf of, the Parties to this ADDENDUM, including CENIC, a California 501(c)3 corporation, ("CENIC") with headquarters in La Mirada, California; the University of Hawaii, an institution of higher education with a main office in Honolulu, Hawaii ("UH"), the Front Range GigaPoP ("FRGP"), a project of the University Corporation for Atmospheric Research ("UCAR") located in Boulder, Colorado; the Pacific Northwest Gigapop, a Washington 501(c)3 corporation ("PNWGP") with headquarters in Seattle, Washington; and the Regents of the University of New Mexico ("UNM"), an institution of higher education with main campus in Albuquerque, New Mexico; each individually a "Party" and collectively the "Parties" to this ADDENDUM.

Whereas, the Parties entered into the Western Regional Networking Agreement on December 1, 2009; and

Whereas, the Parties wish to accept a new Primary Participant into the WRN; and

Whereas, the Parties wish to amend the AGREEMENT to allow LEARN: Lonestar Education and Research Network as a Primary Participant;

Henceforth, therefore, the Parties agree to the following:


1. By signing this AMENDMENT, all existing Parties as of November 4, 2011 and LEARN agree to all conditions included in the AGREEMENT, effective December 1, 2009, Amendment 1 to the Western Regional Networking Agreement effective July 22, 2010, Amendment 2 to the Western Regional Networking Agreement effective December 1, 2010, and Amendment 3 to the Western Regional Networking Agreement effective November 4, 2011
2. All references to Parties in the AGREEMENT effective December 1, 2009, Amendment 1 to the Western Regional Networking Agreement effective

July 22, 2010, Amendment 2 to the Western Regional Networking Agreement effective December 1, 2010, and Amendment 3 to the Western Regional Networking Agreement effective November 4, 2011 will now include LEARN: Lonestar Education and Research Network.

3. LEARN and WRN accept a one-year participation membership between December 1, 2012 and November 30, 2013.
4. LEARN's cost to participate in WRN for the period December 1, 2012 through November 30, 2013 shall not exceed \$40,000 without the written consent of LEARN.
5. During the one-year membership listed in item 3, LEARN incurs no future responsibilities to provide, host or operate collaboration resources beyond the one-year term.
6. It will be assumed that LEARN agrees to participate with WRN after the end of the one-year term, unless the termination procedures are followed per the Western Regional Network Agreement, item 2 Termination.

IN WITNESS WHEREOF, THE PARTIES HERETO HAVE EXECUTED THIS AMENDMENT

For CENIC:




Signed Louis Fox
President & CEO

11/13/12

Date

For the UCAR on behalf of FRGP:

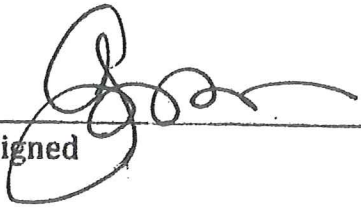


Signed Beverly J. Broach
Contract Administrator

11/14/12


Date

For the PNWGP:


Signed _____

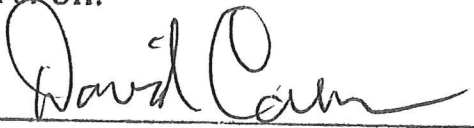
11-15-12
Date _____

For UNM:


Signed _____


11/27/12
Date _____

For UH:


Signed David Lassner, VP for IT and CIO

11/19/12
Date _____

For LEARN:


Signed _____

11/8/12
Date _____