

**Amendment 5 to the Western Regional Networking Agreement - May 2, 2014 ("Effective Date")**

This AMENDMENT 5 ("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 extend the term of the agreement for five years, 7/1/14 - 6/30/19; and

Henceforth, therefore, the Parties agree to the following:

1. By signing this AMENDMENT, all existing Parties 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;

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IN WITNESS WHEREOF, THE PARTIES HERETO HAVE EXECUTED THIS AMENDMENT

For CENIC:

Louis Fox 5/6/14  
Signed Date

For the UCAR on behalf of FRGP:

Beverly J. Board 5/8/14  
Signed Date

For the PNWGP:

[Signature] 5/7/14  
Signed Date

For UNM:

[Signature] 5/7/14  
Signed Date

For UH:

Steven Z. Smith 5/7/14  
Signed Date