



5 November 2008

Professor Sir John O'Reilly
NICC Chairman
NICC Standards Limited
c/o Institution of Engineering and Technology
Michael Faraday House
Six Dials Way
Stevenage Herts SG1 2AY
England

Dear Sir John,

Adaptive Spectrum and Signal Alignment, Incorporated, (ASSIA Inc.) is the exclusive licensing agent for certain IP belonging to Stanford University that may be relevant to the following work effort currently underway in the NICC DSL Working Group: "Analysis of DLM/DSM in conjunction with use of ADSL1, ADSL2PLUS or VDSL2 in the BT copper access network."

Consistent with the "NICC IPR Policy – Issue 1," dated 12 June 2008, Sections 5.1 and 7.1 in particular, ASSIA hereby commits to the following with respect to this IP.

To the extent that the aforementioned IP is deemed essential for the practice of any NICC standard developed by or as a result of the aforementioned work effort, ASSIA hereby commits to grant irrevocable licenses to such IP on fair, reasonable and non-discriminatory terms and conditions to the following extent to any party offering licenses to its essential IP on reciprocal terms (all capitalized terms have the meanings defined in Section 15 of the "NICC IPR Policy – Issue 1," dated 12 June 2008):

- (a) to Manufacture, including the right to make or have made customized components and sub-systems to the licensee's own design for use in Manufacture;
- (b) to sell, lease, or otherwise dispose of Equipment so Manufactured;
- (c) to repair, use or operate Equipment; and
- (d) to use Methods.



Please contact me should you require further information.

Sincerely,

Marc Goldberg
Executive Vice President
ASSIA, Inc.

Cc: Nick Canty, Secretary of NICC
David Davies, Chairman NICC DSL Working Group
Gavin Young, Vice-Chairman NICC DSL Working Group
Peter Silverman, ASSIA Inc.