

## The Broadband Forum Patent License Statement

**Patent Holder/Organization:**  
 Legal Name Adaptive Spectrum and Signal Alignment, Incorporated

**Contact for license application:**  
 Name & Department Marc Goldberg, EVP Technology  
 Address ASSIA Inc.  
303 Twin Dolphin Drive, Suite 203, Redwood City CA 94065 USA  
 Tel. +1 650 654 3400  
 Fax +1 650 654 3404  
 E-mail mgoldburg@assia-inc.com

**The Broadband Forum Report(s) or Working Text(s)**  
 Number WT-188  
 Title DSL Quality Suite

**Licensing declaration**  
 The Patent Holder believes they hold granted patents and/or pending applications, whose use may be required to implement the above Broadband Forum report(s) or working text(s) and hereby declares, in accordance with the Broadband Forum policies

check one box

1 The Patent Holder is prepared to grant – on the basis of reciprocity for the above Broadband Forum report(s) – a free license to an unrestricted number of applicants on a worldwide, non-discriminatory basis to manufacture, use and/or sell implementations of the above Broadband Forum report(s) or working text(s)

2 The Patent Holder is prepared to grant – on the basis of reciprocity for the above Broadband Forum report(s) – a license to an unrestricted number of applicants on a worldwide, non-discriminatory basis and on reasonable terms and conditions to manufacture, use and/ or sell implementations of the above Broadband Forum report(s) or working text(s).  
 Such negotiations are left to the parties concerned and are performed outside the Broadband Forum.

3 The Patent Holder is unwilling to grant licenses according to the provisions of either 1 or 2 above. In this case, the following information must be provided as part of this declaration:

- patent registration/application number;
- an indication of which portions of the Broadband Forum report(s) or working text(s) are affected.
- a description of the patent claims covering the Broadband Forum report(s) or working text(s);

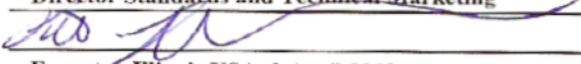
| Patent Information |                                 |                 |                                 |
|--------------------|---------------------------------|-----------------|---------------------------------|
| No                 | Registration Number/<br>Country | Title/ Inventor | Status<br>[granted/<br>pending] |
| 1                  |                                 |                 |                                 |
| 2                  |                                 |                 |                                 |

**Signature**

Organization Adaptive Spectrum and Signal Alignment, Incorporated (ASSIA Inc.)

Name of authorized person Peter J. Silverman

Title of authorized person Director Standards and Technical Marketing

Signature 

Place, Date Evanston Illinois USA, 9 April 2010