ALLIANCE FOR TELECOMMUNICATIONS INDUSTRY SOLUTIONS

PATENT HOLDER STATEMENT

Please return via mail, email (scanned with signature), or fax to:

General Counsel
ATIS
1200 G Street, N.W., Suite 500
Washington, D.C. 20005 USA
Fax: +1 (888) 874-0973
Email: patents@atis.org

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No discussion or negotiation of license terms is permitted in any Forum or Committee. For further information regarding the licensing of any patented inventions identified in this Statement, please contact the person identified in Section B.

A. PARTY SUBMITTING THE STATEMENT

| Legal Name (e.g. XYZ Corp.): | AT&T Intellectual Property II, LP |

B. CONTACT FOR LICENSING INFORMATION

| Contact Name: | Joseph M. Sommer | Title: | Assistant Vice President - Patent Licensing |
| Department: | AT&T Intellectual Property |
| Telephone: | 908-234-5211 | Fax: | 908-234-8130 |
| Email: | js1893@att.com |
C. ATIS-DEVELOPED AMERICAN NATIONAL STANDARD OR OTHER ATIS DELIVERABLE

Please complete a separate Patent Holder Statement for each standard/deliverable.

<table>
<thead>
<tr>
<th>ATIS Forum/Committee:</th>
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<tbody>
<tr>
<td>ATIS Document Number:</td>
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<tr>
<td>Title:</td>
<td>System And Method For Optimizing Spectral Efficiency Using Time-Frequency-Code Slicing</td>
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- [ ] b. The license assurance is provided only for the claim(s) of the patent(s) identified in Section E covering an invention the use of which is required for compliance with the American National Standard or other ATIS deliverable identified in Section C.

**E. IDENTIFICATION OF PATENTS**

(Completion of the following information is optional if D3a is selected. If D3b is selected, please provide the information indicated below for each patent or application. Attach additional sheets as necessary.)

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<th>Patent No. or Application No. (if pending)</th>
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F. Signature

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<tr>
<th>Name of Authorized Person (type or print legibly):</th>
<th>Joseph M. Sommer</th>
</tr>
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<tr>
<td>Signature of Authorized Person:</td>
<td>![Signature]</td>
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<tr>
<td>Title:</td>
<td>Vice President - Patent Licensing</td>
</tr>
<tr>
<td>Date:</td>
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General Counsel
ATIS
1200 G Street, N.W., Suite 500
Washington, D.C. 20005 USA
Fax: +1 (888) 874-0973
Email: patents@atis.org