January 23, 1991

American National Standards Institute, Inc.
1430 Broadway
New York, NY 10018

Re: ANSI Standard T1.104

To Whom It May Concern:

AT&T will grant licenses under its U.S. and foreign patents that are necessary for the above referenced Standard on reasonable, non-discriminatory terms and conditions.

It should be recognized that AT&T has a large number of patents, both domestic and international. A thorough search for patents relevant to this Standard has not been possible; however, AT&T has identified the attached list of U.S. Patents that may apply to the Standard. We cannot grant assurances that additional patents will not be found upon further review.

If you have any questions in this matter, please contact me on (908) 580-5940.

Sincerely yours,

[Signature]

Gene G. Partlow
Manager, Intellectual Property

Attachment
Some AT&T Patents That May Apply To ANSI Standard T1.104

<table>
<thead>
<tr>
<th>U.S. Patent</th>
<th>Inventor(s)</th>
<th>Title</th>
</tr>
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<tbody>
<tr>
<td>4,555,594</td>
<td>B.R. Bimonte, et al</td>
<td>Telephone Interexchange Call Routing</td>
</tr>
<tr>
<td>4,565,903</td>
<td>D.H. Riley</td>
<td>Telephone Interexchange Carrier Selection</td>
</tr>
<tr>
<td>4,577,066</td>
<td>A. Friedes, et al</td>
<td>Telephone Interexchange Signalling Protocol</td>
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