

### LETTER OF ASSURANCE FOR ESSENTIAL PATENTS

Please return or FAX to: Secretary, IEEE-SA Standards Board Patent Committee  
Institute of Electrical and Electronics Engineers, Inc.  
445 Hoes Lane  
Piscataway, NJ 08855 USA  
FAX (+1 702-922-9891)

*No license is implied by submission of this Letter of Assurance*

**A. PATENT HOLDER/ORGANIZATION:**

Legal Name of Organization: Telefonaktiebolaget L M Ericsson

**B. PATENT HOLDER'S CONTACT FOR LICENSE APPLICATION:**

Name & Department: Kasim Alfalahi HF/EAB/QL  
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**C. IEEE STANDARD or PROPOSED IEEE STANDARD:**

**Number:** 802.11a, 802.11b, 802.11e, 802.11f, 802.11g, 802.11 h 802.11i.

Title \_\_\_\_\_

**D. PATENT HOLDER'S POSITION REGARDING LICENSING ESSENTIAL PATENT RIGHTS:**

If the Patent Holder owns or controls granted patent(s) and/or pending applications that it believes may be infringed by compliance with the Proposed IEEE Standard, please specify the patent number, published application, and/or relevant claims. (A patent search is not required.)

Patent Number(s) (if known): \_\_\_\_\_

Relevant Claims (optional): \_\_\_\_\_


The Patent Holder states that its position with respect to licensing such patent(s) is as follows (*check one box only*):

- 1. The Patent Holder is prepared to grant a free license to an unrestricted number of applicants on a worldwide, non-discriminatory basis to comply with the [Proposed] IEEE Standard.
- 2. The Patent Holder is prepared to grant a license to an unrestricted number of applicants on a worldwide, non-discriminatory basis and on reasonable terms and conditions to comply with the [Proposed] IEEE Standard. (For details see enclosure Free form LoA .Ericsson IP statement for IEEE 802.11a,...)
- 3. The Patent Holder is unwilling to grant licenses according to the provisions of either 1 or 2 above.
- 4. I am not aware of any patent(s) and/or patent claim(s) that my company may hold that would be relevant to the subject matter of the [Proposed] Standard.

**E. SIGNATURE:**

Print name of authorized person: Per Nordlöf

Title of authorized person: Director, WLAN Program Office Business Unit Systems, Ericsson AB

Signature of authorized person:  Date: 29/01/03

*Note: This assurance applies from the date of the standard's approval to the date of the standard's withdrawal and is irrevocable during that period.*

Date: January 29, 2003

Mr,Stuart J.Kerry

IEEE 802.11WG Chair,  
Philips Semiconductors, Inc.,  
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CA 95131-1706, USA.

Per Nordlöf

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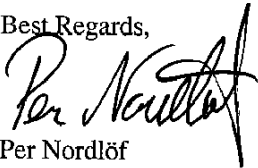
**Ericsson IP Statement for 802.11a, 802.11b, 802.11e, 802.11f, 802.11g, 802.11 h 802.11i.**

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If you have any questions, please contact Ericsson's Licensing manager, Corporate Director Kasim Alfalahi (ph: +46 8 7191148 email: [Kasim.Alfalahi@lme.ericsson.se](mailto:Kasim.Alfalahi@lme.ericsson.se))

Best Regards,



Per Nordlöf

Director, WLAN Program Office  
Business Unit Systems, Ericsson AB