



September 15, 2006

Secretary, IEEE-SA Standards Board Patent Committee  
Institute of Electrical and Electronics Engineers, Inc.  
445 Hoes Lane  
Piscataway, NJ 08854 USA

RE: Alereon Letter of Assurance for Essential Patents for Proposed 802.15.4a Standard

Dear Sir/Madam:

Alereon, Inc. ("Alereon") once again submits the enclosed Letter of Assurance for Essential Patents in conjunction with the following proposed IEEE standard being promulgated by the IEEE 802.15 WPAN Low Rate Alternative PHY Task Group 4a (TG4a):

Proposed amendment to 802.15.4 for an alternative PHY (d4P802-15-4a\_Draft\_Standard.pdf) ("Proposed 802.15.4a Standard")

The enclosed Letter of Assurance was previously submitted on August 24, 2006 and established Alereon's willingness to license certain patents in a non-discriminatory manner under reasonable terms. Alereon owns and/or controls a number of patents and patent applications that may be applicable to the current draft of the Proposed 802.15.4a Standard. In the event the adopted 802.15.4a standard cannot be practiced without necessarily infringing a patent owned or controlled by Alereon, Alereon agrees upon written request to negotiate a license to practice such patent in order to implement the 802.15.4a standard, as adopted. As noted, Alereon will offer such a license on a nondiscriminatory basis and only on reasonable terms and conditions. Alereon cannot represent that the terms and conditions will be identical for all products and for all companies. Such licensing negotiations will be held with the parties concerned and will be conducted outside IEEE.

Parties who desire to discuss obtaining a license to any Alereon patent as described above may obtain further information by contacting:

Jim Lansford, CTO, Alereon, Inc.  
7600 North Capital of Texas Highway, Bldg. C, Suite 200  
Austin, TX 78731  
e-mail: [jim.lansford@alereon.com](mailto:jim.lansford@alereon.com)

1301 W. 25<sup>th</sup> STREET, SUITE 408  
AUSTIN, TX 78705  
[o] 512.637.9220 [f] 512.371.9088

**SPRINKLE IP LAW GROUP**

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Thank you for your assistance.

Sincerely,

**SPRINKLE IP LAW GROUP**



Steven Sprinkle  
[ssprinkle@sprinklelaw.com](mailto:ssprinkle@sprinklelaw.com)

SRS:kic  
Enclosure

## LETTER OF ASSURANCE FOR ESSENTIAL PATENTS

Please return via mail,  
e-mail (.pdf), or FAX to:

Secretary, IEEE-SA Standards Board Patent Committee  
Institute of Electrical and Electronics Engineers, Inc.  
445 Hoes Lane  
Piscataway, NJ 08854 USA  
FAX(+1 732-875-0524) email: [patcom@ieee.org](mailto:patcom@ieee.org)

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

### **A. PATENT HOLDER/ORGANIZATION:**

Legal Name of Organization: Alereon, Inc.

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

Name & Department: Jim Lansford  
Address: 7600 North Capital of Texas Highway, Bldg. C, Suite 200, Austin TX 78731  
Telephone: Phone: (512) 345-4200 Fax: (512) 345-4201 E-mail: [jim.lansford@alereon.com](mailto:jim.lansford@alereon.com)  
URL: [www.alereon.com](http://www.alereon.com)

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### **C. IEEE STANDARD or PROPOSED IEEE STANDARD:**

Number: 802.15.4a  
Title: Proposed amendment to 802.15.4 for an alternative PHY (d4P802-15-4a\_Draft\_Standard.pdf)  
from IEEE 802.15 WPAN Low Rate Alternative PHY Task Group 4a (TG4a)

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

In accordance with Clause 6 of the *IEEE-SA Standards Board Bylaws*, the Patent Holder hereby declares that its licensing position with respect to any patent(s) and/or patent application(s) that it may hold or control, the use of which would be essential to create a compliant implementation of either mandatory or optional portions of the [Proposed] IEEE Standard identified above, is as follows (*check one box only*):

1. The Patent Holder will grant a license without compensation to an unrestricted number of applicants on a worldwide, non-discriminatory basis with reasonable terms and conditions to comply with the [Proposed] IEEE Standard.
2. The Patent Holder will grant a license under reasonable rates to an unrestricted number of applicants on a worldwide, non-discriminatory basis with reasonable terms and conditions to comply with the Proposed IEEE Standard.
3. The Patent Holder is unwilling to grant licenses according to the provisions of either 1 or 2 above.
4. The Patent Holder states that, without conditions, it will not enforce any of its present or future patent(s) against any person or entity creating a compliant implementation of the [Proposed] IEEE Standard.
5. I am not aware of any patent(s) and/or patent application(s) that my company may hold or control that would be essential to create a compliant implementation of the [Proposed] IEEE Standard.

*[Note: Completion of the following section is optional. Nothing in this Letter of Assurance shall be interpreted as giving rise to a duty to conduct a patent search.]*

If the Patent Holder owns or controls patent(s) and/or application(s) that it believes may be essential to create a compliant implementation of the [Proposed] IEEE Standard, please specify the following:

Patent/Application Number: \_\_\_\_\_

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Approved by IEEE-SA Standards Board Patent Committee – 27 March 2006

Title: \_\_\_\_\_  
 Patent/Application Number: \_\_\_\_\_  
 Title: \_\_\_\_\_  
 Patent/Application Number: \_\_\_\_\_  
 Title: \_\_\_\_\_

*Use additional pages, as necessary.*

**E. SIGNATURE:**

Print name of authorized person: Jim Lansford

Title of authorized person: CTO

Signature of authorized person: *Jim Lansford by permission GAVIN SPRINKER*

*Note: This assurance applies from the date of the standard's approval to the date of the standard's withdrawal and is irrevocable upon acceptance by the IEEE-SA Standards Board Patent Committee.*

*The IEEE Patent Policy and the procedures used to execute that policy are documented in the IEEE-SA Standards Board Bylaws and the IEEE-SA Standards Board Operations Manual, available at <http://standards.ieee.org/resources/index.html#guides>. These documents must be read and understood before completing and submitting this form.*