NECESSARY CLAIMS DECLARATION
(APPLIES TO BOTH PROMOTER MEMBERS AND PARTICIPANTS)

Please return or FAX to:　　　Executive Director, ZigBee Alliance
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Disclosure Period:
July 29, 2004 to
October 27, 2004

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A. ZIGBEE ADOPTED SPECIFICATION or ZIGBEE PROPOSED SPECIFICATION:

Number: Zigbee Document 02130r9

Title: Network Specification Revision 9 Draft Version 0.92

B. MEMBER ORGANIZATION:

Legal Name of Member Organization: NEC Engineering, Ltd.

If the Member is completing this Declaration to disclose Necessary Claims of an Affiliate or Non-Member, the Member must provide the following information:

Legal Name of ☑ Affiliate or ☐ Non-Member (check one):　NEC Corporation and NEC Communication Systems,Ltd.

Member is authorized to act on behalf or Affiliate or Non-Member (check one): ☐ Yes or ☑ No

C. CONTACT FOR LICENSE TERMS AND CONDITIONS:

Name of Organization: NEC Corporation

Name of Individual & Department:　Hideyuki Ogata, General Manager　,Intellectual Property Licensing Division

Address:　7-1,Shiba 5-chome,Minato-Ku,Tokyo 108-8001,Japan

Telephone: 81 3 3798 8420　Fax: 81 3 3456 4903　E-mail: h-ogata@ce.jp.nec.com

D. POSITION REGARDING LICENSING OF NECESSARY CLAIMS:

If the Member owns, has a right to, or is aware of any Necessary Claims, please specify the patent number, patent application number and/or relevant claims.

　　　　　Patent/Patent application number(s): Japan Patent NO.3447687,U.S.Patent Appliaction NO.09/976562,
　　　　　　　　　　　　　　　　　　　　　　　Korean Patent NO.407527,Taiwan Patent NO.177606,
　　　　　　　　　　　　　　　　　　　　　　　China Patent Appliaction NO.01136528.5

　　　Relevant Claims: is a claim 1,2,4,5,6,and 8 of all above Patents and Patent Applications.

　　　Describe the nature, extent, and scope of the Necessary Claims (attach additional pages, if necessary):

　　　　　What is claimed is:

　　　　　1.　A wireless network system comprising : a radio-relay terminating station ; a radio-relay station being connected to said radio-relay terminating station in a wireless manner ; a wireless terminal being connected to said radio-relay station in a wireless manner ; and wherein said radio-relay terminating station preserves a plurality of network addresses to be assigned to said radio-relay station and to said wireless terminal,assigns a first network address belonging to said plurality of network addresses to said radio-relay station and collectively feeds an address pool making up a part of said plurality of network addresses to the radio-relay station and wherein said radio-relay station preserves said address pool and assigns a second network address belonging to said address pool to said wireless terminal.

　　　　　2.　The wireless network system according to Claim 1,further comprising an other radio-relay station,wherein said other radio-relay station preserves an other address pool being different from said address pool and wherein,when said radio-relay station is connected to said other radio-relay station,said other radio-relay station assigns a third network address belonging to said other address pool to said radio-relay station.

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4. The wireless network system according to Claim 2, further comprising an other radio-relay terminating station which preserves an other plurality network addresses being different from said plurality of network addresses and wherein, when said other radio-relay station is connected to said other radio-relay terminating station, said address pool is renewed to become still an other address pool making up a part of said other plurality of network addresses and said second network address is renewed to become a fourth network address belonging to said other address pool.

5. A network address assigning method for assigning a network address to a radio-relay station and a wireless terminal in a wireless network system made up of a radio－relay terminating station, said radio-relay station, and said wireless terminal, said method comprising: a step of feeding a plurality of network addresses to said radio-relay terminating station; a step of assigning a first network address belonging to said plurality of network addresses to said radio-relay station being connected to said radio-relay terminating station in a wireless manner; a step of notifying said radio-relay station being connected to said radio-relay terminating station in said wireless manner of an address pool making up a part of said plurality of network addresses; and a step of assigning a second network address belonging to said address pool said wireless terminal being connected to said radio-relay station in a wireless manner.

6. The network address assigning method according to Claim5, wherein said wireless network system includes an other radio-relay station having an other address pool being different from said address pool and wherein, said radio-relay station is connected to said other radio-relay station, a third network address belonging to said other address pool is assigned to said radio-relay station.

8. The network address assigning method according to Claim6, wherein said wireless network system includes an other radio-relay terminating station and wherein, when said other radio-relay station is connected to said other radio-relay terminating station, said network address assigning method comprises: a step of feeding an other plurality of network addresses being different from said plurality of network addresses to said other radio-relay terminating station; a step of notifying said other radio-relay station of said other address pool making up a part of said other plurality of network addresses; a step of notifying said radio-relay station of still an other address pool making up a part of said other plurality of network addresses; and a step of assigning a fourth network address belonging to still an other address pool to said wireless terminal.

With respect to licensing such Necessary Claims, Member declares as follows *(check one box only)*:

☐ 1. The Member is prepared to grant a Royalty Free License to the Alliance, Promoter Members and Participants.

☐ 2. The Member will grant a fee-based license to the Alliance, Promoter Members and Participants on mutually acceptable terms and conditions to comply with the ZigBee Proposed Specification or Adopted Specification. (Member must provide the information requested in **Attachment A** to this Declaration)

☑ 3. The Member disclosed the Necessary Claims of an Affiliate or Non-Member, but the Member is not authorized to grant licenses on behalf of such Affiliate or Non-Member according to the provisions of either 1 or 2 above.

☐ 4. The Member is not aware of any Necessary Claims.

E. SIGNATURE:

Print name of authorized person: Roh Ishikawa

Title of authorized person: Senior Manager

        Planning Department, Corporate Strategic Planning & Business Development Div., NEC Engineering, Ltd.

Signature of authorized person: _Roh Ishikawa_ Date: _Oct. 27, 2004_