LETTER OF ASSURANCE FOR ESSENTIAL PATENT CLAIMS

PatCom Administrator, IEEE-SA Standards Board Patent Committee Please return via mail. e-mail (as a PDF), or fax: Institute of Electrical and Electronics Engineers, Inc. 445 Hoes Lane 08854 USA Piscataway, NJ FAX (+1 732-875-0524) e-mail: patcom@ieee.org No license is implied by submission of this Letter of Assurance A. SUBMITTER: Legal Name: Nokia Corporation ("Submitter") B. SUBMITTER'S CONTACT INFORMATION (for the purpose of licensing information): Contact Name/Title: Kalle Moilanen / IPR Manager Department: IPR Address: Joensuunkatu 7, FIN 24101 SALO, FINLAND Telephone: +358 50 366 2022 Fax: +358 7180 44277 E-mail: kalle,moilanen@nokia.com URL: Note: The IEEE does not endorse the content, or confirm the accuracy or consistency of any contact information or web site listed above. C. IEEE STANDARD OR PROJECT (e.g., AMENDMENT, CORRIGENDA, OR REVISION): In accordance with Clause 6.3.5 of the IEEE-SA Standards Board Operations Manual, this licensing position is limited to the following: Standard/Project Number: 802.11-2007 as currently amended D, SUBMITTER'S POSITION REGARDING LICENSING OF ESSENTIAL PATENT CLAIMS: In accordance with Clause 6 of the IEEE-SA Standards Board Bylaws, the Submitter hereby declares the following (Check box 1 or box 2 below): Note: Nothing in this Letter of Assurance shall be interpreted as giving rise to a duty to conduct a patent search. The IEEE takes no position with respect to the validity or essentiality of Patent Claims or the reasonableness of rates, terms, and conditions of any license agreements offered by the Submitter. The Submitter may own, control, or have the ability to license Patent Claims that might be or become Essential Patent Claims, With respect to such Essential Patent Claims, the Submitter's licensing position is as follows (must check a, b, c, or d and any applicable subordinate boxes): a. The Submitter will grant a license without compensation to an unrestricted number of applicants on a worldwide basis with reasonable terms and conditions that are demonstrably free of unfair discrimination. (Optional) A sample of such a license (or material licensing terms) that is substantially similar to what the Submitter would offer is attached. b. The Submitter will grant a license under reasonable rates to an unrestricted number of applicants on a worldwide basis with reasonable terms and conditions that are demonstrably free of unfair discrimination. (Optional) These reasonable rates will not exceed (e.g., percent of product price, flat fee, per unit).

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1 May 2007 (Form version 20 June 2007)

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Print name of authorized person: Kalle Moilanen

Title of authorized person: IPR Manager

Letter of Assurance are incorporated herein.

Signature of authorized person: Kall Ulus Date: 29th of June 2007

Address: Joensuunkatu 7, FIN-24101 SALO, FINLAND

Phone: +358 50 366 2022 E-mail: kalle.moilanen@nokia.com

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.

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. The terms and definitions set forth in the IEEE Patent Policy, IEEE-SA Standards Board Bylaws, and IEEE-SA Standards Board Operations Manual in effect as of the date of this This declaration is to cover the patents identified below and all foreign equivalents of those

1.

Patent/Application/Docket number: US 5987137

Description/Title (Optional): Method for the encryption of data transfer

2.

Patent/Application/Docket number: US 6118775

Description/Title (Optional): Security of packet-mode transmission in a mobile communication system

3.

Patent/Application/Docket number: US 6535979

Description/Title (Optional): Method of ciphering data transmission, and cellular radio system

4.

Patent/Application/Docket number: US 6449473

Description/Title (Optional): Security method for transmissions in telecommunication networks

5.

Patent/Application/Docket number: US 6587680

Description/Title (Optional): Transfer of security association during a mobile terminal handover

6.

Patent/Application/Docket number: US 6842605

Description/Title (Optional): Assembly, and associated method, for facilitating control over power levels of communication signals in a radio communication system

or communication signals in a radio communication

7.

Patent/Application/Docket number: US 5640395

Description/Title (Optional): System for transmitting packet data in digital cellular time division multiple

access (TDMA) air interface

8.

Patent/Application/Docket number: US 5729534

Description/Title (Optional): Dynamic allocation of radio capacity in a TDMA system

9.

Patent/Application/Docket number: US 5729541

Description/Title (Optional): System for transmitting packet data in radio telephone TDMA systems

10.

Patent/Application/Docket number: US 5802465

Description/Title (Optional): Data transmission in a radio telephone network

11.

Patent/Application/Docket number: US 6359904

Description/Title (Optional): Data transfer in a mobile telephone network

12.

Patent/Application/Docket number: US 6675012

Description/Title (Optional): Apparatus, and associated method, for reporting a measurement summary

in a radio communication system

13.

Patent/Application/Docket number: US 6738599

Description/Title (Optional): Assembly, and associated method, for facilitating channel frequency

selection in a communication system utilizing a dynamic frequency selection scheme

14.

Patent/Application/Docket number: US 6834045

Description/Title (Optional): Assembly, and associated method, for facilitating frequency allocations in a radio communications system to attain statistical spreading of electromagnetic energy

15.

Patent/Application/Docket number: US 6747968

Description/Title (Optional): Methods and systems for weighted PCF polling lists for WLAN QoS support

energy