
IEEE 802.11
802 LAN Access Method for Wireless Physical Medium

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AUTHOR: Chandos A. Rypinski,
Chief Technical Officer
LACE, Inc. Tel: +01 415 389 6659
655 Redwood Highway #340 Fax: +01 415 389 6746
Mill Valley, CA 94954 USA E-m: rypinski@netcom.com

TITLE: RECOMMENDATION: 802.11 Terminology Replaces Use of
"Time-Bounded" Services with "Connection-Type" Services

PURPOSE OF RECOMMENDATION

Users of a prospective 802.11 Standard need connection-type services with widely understood meaning and definition. The meaning of "time-bounded" is a private definition and a vague generality outside of 802.11, and will not be useful unless the meaning is quantitatively defined and aligned with general telecom practice.

Existing definitions of connection-type services appear in 802.6 and better in 802.9. Moreover, interconnectibility of B-channels provided by 802.11 depends on use of or compatibility with setup protocols defined principally in CCITT documents including the Q.92X higher layers. 802.6 competently deals with a common plan for 802 and E.164 address format coexistence.

ISO 8802.2 Part 2: Logical Link Control Type 2 covers a data-oriented connection-type service which may need to be considered. This protocol has been carefully considered in both 802.6 and 802.9 and found less than totally compatible with telecom practice--particularly in addressing functions.

Time-bounded services as defined in the DFWMAC when compared with the needs for connection-type services contains some functional assumptions which are irrelevant and other necessary functions are omitted. The quantitative definitions necessary are absent or deficient.

The main purpose of this recommendation is to motivate alignment of the 802.11 Standard with widely accepted standards for connection-type services. If this is not done, all that 802.11 will provide is a patchable but not interconnectable voice intercom service, and it will not meet any need at all for multi-media applications. There will be a further perception that *the current 802.11 foundation MAC is not capable of meeting generally accepted requirements for connection-type services, and chooses to hide this deficiency behind a private definition.*

This recommendation should be adopted by the MAC and Plenary groups.