

**IEEE P802.11
Wireless LANs**

Report meeting of CEPT PT Radio-LAN

Report from a meeting held April 24-26, 1991, by the project team
on Radio LAN of the Frequency management and the Spectrum engineering group
of CEPT.

CEPT has established a project team with the charter of preparing a Recommendation for Radio LANs and of a model for establishing compatibility for sharing Radio LANs with existing services.

Three categories are considered:

1. for data transfer rates of about 2 Mbit/s,
2. for data transfer rates up to 30 Mbit/s with moderate coverage area,
and
3. for data transfer rates above 30 Mbit/s but for limited areas.

Current study is to assign the first category to bands within the ISM bands (in Europe 2.45, 5.8 and 24.125 GHz), the second category in bands between 16 GHz and 30 GHz sharing with space-to-earth satellite services and the third category to 59 GHz to 62 GHz.

Members of the project team indicated that allocations below 3 GHz outside the indicated bands for medium and high data transfer rates would present major difficulties throughout Europe.

According to the agreement between CEPT and ETSI, ETSI will be invited to develop standards for all three categories.

Submissions from standards bodies could be helpful in the following areas:

- a. compatibility models showing with which existing services RLANs being standardized could share spectrum,
- b. characteristics of RLAN transmissions,
- c. explanations of the traffic characteristics that distinguish radio LANs from voice networks in terms of loads, speed and bandwidth, power density and BERs.