

IEEE P802.11
Wireless LANs

LIAISON - ETSI STC RES-10

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Introduction

The last liaison paper (IEEE 802.11/91-118) reported that the ETSI ad-hoc group studying wireless LANs had drafted a proposed work programme for the generation of a high performance radio LAN standard — HIPERLAN, an acronym for High Performance European Radio LAN. In its report to the November meeting of TC RES, the ad-hoc group recommended the creation of a Sub-Technical Committee tasked specifically with the creation of the HIPERLAN standard. It also recommended that radio LANs intended to use the ISM bands be treated as generic wideband low-power devices.

At the meeting of TC RES on 20-23rd November, the establishment of a new Sub-Technical Committee (STC RES-10) to work on the HIPERLAN standard was approved. Andrew Bud (Olivetti Sixtel) — the Chairman of the ad-hoc group — was nominated as interim Chairman of RES-10. The work on HIPERLAN is scheduled for completion in late 1994.

Furthermore, it was decided that STC RES-2 would be responsible for the activities necessary to define the approval test specifications for devices using wideband modulation techniques in the 2.4-2.5GHz ISM band — radio LANs in these bands to be considered as generic low-power devices.

STC RES-10 — HIPERLAN

The Terms of Reference of RES-10 are:

- to specify the Services and Facilities of standards for high performance radio local area networking, including the appropriate degree of standardisation;
- to undertake and support technical investigations preparatory to the creation of such standards;
- to draft an open standard for high performance radio local area networking, offering at least 10Mbits/s at the terminal and supporting at least 100Mbits/s/ha/floor, including a radio specification and any necessary associated standards;
- to liaise with appropriate bodies including CEPT, ECMA, IEEE and CCIR to achieve the greatest co-ordination with related standards activities;

- to liaise with relevant research bodies and programmes;
- to draft standards consistent with agreements reached with CEPT on spectrum allocations for radio LANs.

The first meeting of STC RES-10 took place on 5th December, hosted by Symbionics in Cambridge. At the meeting it was decided that the initial work on HIPERLAN would be carried out within two sub-groups — RES-10S and RES-10R.

RES-10S will be a *services and requirements group* and will work to:

- define the requirements of actual and potential markets for HIPERLAN;
- draft a 'Services and Facilities' document defining the functional requirements of the HIPERLAN standard;
- draft a RES-10 operating glossary; and
- identify key issues associated with functional conformance.

The group will be chaired by Jan Kruys (NCR). A first draft of the Services and Facilities document is scheduled for June 1992.

RES-10R will be a *radio group* and will:

- study and provide guidance on the technological feasibility of the functional requirements;
- identify and review alternatives for topology, modulation, protocols, etc.;
- draft technical inputs to be used in spectrum allocation studies; and
- evaluate the implications of spectrum sharing.

RES-10R will be chaired by Tom Freeburg (Motorola). The group is scheduled to complete its work by November 1992. Both groups will report to RES-10.

The RES-10 subgroups meet for the first time in Basingstoke in the UK on 20-23rd January. The groups will meet consecutively — RES-10R on 20-21st, RES-10S on 22-23rd. The next meeting of RES-10 is scheduled for 5-6th March.

This is likely to be one of the last voluntary liaison reports, as co-ordination with IEEE 802.11 is due to be taken up by the Project Team supporting RES-10.

Annex

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