
IEEE 802.11
Wireless Access Method and Physical Specification

DSSS PHY Adhoc Group Meeting
Wednesday, July 14,1993

The meeting was called to order by Paul Struhsaker 8:30 pm. Jan Boer secretary. This meeting was initiated in the PHY meeting, no agenda was issued.

Paul Struhsaker opened the meeting by explaining the status and goals of the DSSS group. The proposals of NCR and Telxon have a lot in common. It is important to come on one line in short terms. It must be possible to have a draft DSSS standard (as the FH and IR sub-groups intent to have) in the November meeting.

Maurice France wondered why the modulation and spreading sequence as in document 83r were chosen. Other schemes, e.g. more chips and a CDMA approach should make the system more robust.

Paul stated that the choices were based on experience with the system. Higher chiprates will at the end reduce the possible bitrates and the gain is not high.

Jan Boer stated that CDMA will not help and referred to doc 93/5, Comparison between 3 channel FDMA and CDMA DSSS (Jan Boer and Rajeev Krishnamoorthy, NCR).

Maurice promised that he would submit a contribution in the next meeting if he could come up with a system that is better then the one proposed.

In order to make progress with the DSSS standard the meeting decided to put forward in the full working group the following motion:

Close all proposals for the DSSS PHY on the September 1993 meeting in Atlanta. Alternate proposals will only be considered afterwards if a 50% approval in the PHY group is achieved.

Next is a discussion and agreement on what is to be accomplished in Atlanta:

- Possible alternate proposals will be discussed.
- Issues coming out of document 93/83r, Draft for a FH and DS SS PHY (Nathan Silberman, editor) are to be defined.
 - Alternatives are requested
 - They must be issued in writing
 - Reasons for change have to be given.

Other issues:

Paul stresses that a approach for a etiquette for the coexistence of Direct Sequence systems and Frequency Hoppers is needed. In the next meeting a discussion on this must be started.

Finally the approach to come to a standard was questioned. Vic Hayes stressed that the adopted issue process must be followed.

The meeting decided to move in the Full Phy Group to open the issue on the DS parameters of document 93/83r, Draft for a FH and DS SS PHY (Nathan Silberman, editor).

It is the intention to close the issue on the next meeting. In this way the parameters decided upon can be part of the standard.

Apart from the full PHY group in which issues of general interest will be discussed, a separate meeting will be scheduled for the Direct Sequence ad-hoc group. This meeting will take place on Tuesday starting after the lunch till Wednesday till lunch.

Meeting adjourned: 10:00 p.m.

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