Minutes of DS-PHY (12 Nov 1996)
Vancouver, Canada

DS meeting called to order by chairman Jan Boer at 1:30

DS PHY Attendees:
Jan Boer (Lucent) chair
Mike Trompower (Aironet) editor, secretary
Roy Sebring (Intermec)
William Roberts (AMI)
Al Petrick (Harris)
John Fakatselis (Harris)

Mike Trompower is again secretary

Agenda for this meeting set:

- approval of past minutes
- matters arising from the July minutes
- comment resolution
- conformance testing
- future work

Minutes of July meeting in Enschede approved by consensus.

no matters arising from the minutes.

review of editorial changes made to section 15 by Mike Trompower.

MOTION#1(Mike Trompower/William Roberts)
Move to accept document SEC12.DOC as distributed in the comments files as the baseline for starting DS
phy edits for this meeting.
approved(6-0-0)

MOTION#2(Mike Trompower/Al Petrick)
Move to accept the changes in REVSEC12.DOC as distributed.
approved(6-0-0)

Comment Processing: (see 613557.doc for details)
accept sec12.doc and revsec12.doc as editorial baseline from which to begin edits

discussion of frequency channel plan and applicability of DSSS spec at higher powers to FCC spectral
restrictions. == If 802.11 is used at 1W, the resulting spectral mask will not meet the FCC out of band
restrictions. The idea is to define common channel definitions in order to allow a vendor to make a single
product that is approved in both FCC and ETSI domains.

OPTIONS --
1)make all frequencies optional
2)make the uncommon frequencies optional
3)reduce the number of channels so that FCC and ETSI are uniform
4)add two lower channels to ETSI, add OPTIONAL two upper channels to ETSI (and France)
5)add all four channels to ETSI (and France) and make required

It is agreed that adding the two lower ETSI is non-contentious and will be added

MOTION#3(Mike Trompower/John Fakatselis)
Move to add all four additional channels to ETSI (and two for France) and all channels in each domain are mandatory to be supported.

discussion:
a technical NO comment by AK would not be satisfied by this change. A phone call will be placed to him to explain the rationale and see if he would withdraw his comment.

the tradeoffs of giving up the additional frequencies to gain a common product

approve(5-0-1)

MOTION#4
move to approve the response to technical NO vote by AK which rejects the comment to make the FCC and ETSI channel plans the same.
approve(5-0-1)
Jan Boer will contact AK to determine if he will withdraw his comment.

resolution of technical comment by DSM was handled by changing an incorrect reference of 32 bytes to 24 bytes in section 15.2.3.6.

MOTION#5
move to approve the response to technical NO vote by AK which rejects the comment to change the DS channel plan to 3 channels.
approve(6-0-0)

Jan Boer will contact AK to determine if he will withdraw his comment

5PM adjourn until tomorrow AM session

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Al Petrick (Harris)

Meeting started at 9:00

Announcement from Jan, that Mr. Ad Kamerman (AK) has formally changed his NO vote a YES vote with the explanations given in the comment rebuttal.

Additional items which must be looked at the request of the MAC group
        -comment by WD to add a DS parameter set to the PROBE.response and BEACON frames
        -comment in section 9 to 'nail down' the timing information for an end of frame

MOTION#6(Jan Boer/ William Roberts)
move to approve the WD technical No comment in 7.2.3.9 response with its new text in its entirety.
discussion -Mike Trompower, John Fakatselis
        would like to accept only the first part of the new text as it is all that is required to solve the NO vote and the additional text supplies additional functionality which is not need to solve the issue at hand but rather to provide a scanning aid.

 motion fails(1-4-1)

MOTION#7(Mike Trompower/ John Fakatselis)
move to approve the WD technical No comment in 7.2.3.9 response with only the text changes pertaining to the current BSS current channel number.
discussion

7.2.3.1.   Change table 5
6: DS/FH Parameter Set

Change note-1:

Notes:
1. The DS/FH Parameter Set information element shall only be present within Beacon Frames generated by STAs using Direct Sequence or Frequency Hopping Physical Layers respectively.

Section 7.2.3.9, Change Table 12

Entry 6: DS/FH Parameter Set

1. The DS/FH Parameter Set information shall only be present within Probe Response Frames generated by STAs using Direct Sequence or Frequency Hopping Physical Layers respectively

Section 7.3.2 Add DS Parameter set and give it element ID code 3, and move the subsequent numbers a applicable.

Add new section behind 7.3.2.3a

7.3.2.3.a DS Parameter Set
The DS Parameter Set element shall contain the set of parameters necessary for channel number information. The information field shall contain Current Channel number

Element ID | Length | Current Channel |
octets   1   1   1
                                    Figure 27a, DS Parameter Set Element Format

approved (6-0-0)

WD has agreed that is sufficient to change his NO to a YES on this issue

discussion of how to identify the exact end of frame to solve a MAC issue of identifying PHY processing delay.

The definitions of RxRF delay will change to reflect that the delay is from the receipt of the last symbol at the receive antenna to the reporting of the PMD_DATA.indicate signal.

adjourn for full PHY meeting

Minutes of DS-PHY (14 Nov 1996)
Vancouver, Canada

Attendees:
Jan Boer (Lucent) chair
Mike Trompower (Aironet) editor, secretary
Roy Sebring (Intermec)
William Roberts (AMI)
John Fakatselis (Harris)

meeting called to order at 9:00

Review of General comments and Annexes revealed nothing for this group to do.

Review of decisions at last evenings high speed study group.
        initial focus will be to extend the current RF PHYs and maintain current requirements / restrictions in order to maintain coexistence with the current PHYs. FHSS will be using a 3 Mbps and DSSS will define a PHY with a minimum of 8 Mbps. Each new PHY will operate with no more than a 10 dB performance loss over the current 2 Mbps schemes.

adjourn for full phy meeting