

Task Group d Report

September 13-17, 1999
Santa Rosa, CA

Presentations

- Extension of Frequency Hopping
 - 99/195, “Algorithmically Derived Hop Sequences”, Darwin Engwer, Johnny Zweig
 - Tbaum@ee.rochester.edu (Edward Titlebaum)
- Extension of Direct Sequence
 - 99/191, “Universal DS Channelization”, Bob O’Hara

Discussion of International Mobility

- Identified a set of parameters that can describe the channel allocation for FH, DS, HRDS, and OFDM PHYs.
 - Created a new information element to carry the data
 - Another element, or extensions to this element will be necessary for support of hop sequence distribution

Channel Allocation Element

- Regulatory identifier (2 octets)
- Lifetime (1 octets)
- Number of sub-elements (1 octet)
- Each sub-element contains
 - First channel center (2 octets)
 - Channel spacing (1 octet)
 - Number of channels (2 octets)
 - Occupied bandwidth per channel (1 octet)
 - Maximum transmitted power allowed (2 octets)

Other Topics

- Safe default operation until a channel allocation element is received (1 mW Tx power)
- IBSS operation is in safe default mode until a channel allocation element is heard
 - IBSS adopts channel allocation element heard from any(?) AP or other IBSS(?), lifetime is derivative from original element
 - Should IBSS allow user to set regulatory information?
- What happens if conflicting information is received in different channel allocation elements?

Worldwide 5GHz Requirements

- Presented by Richard Paine, Boeing
- WRC 2000 does not have 5GHz on the agenda
- Opportunity to get 5GHz on the WRC 2002 agenda is during 6 weeks immediately after WRC 2000.
- Request to have 802.11 send a letter to SG8 and/or WRC

Motion

- To have 802.11 send a letter to the US delegation of ITU SG8 and/or WRC supporting the global allocation of the 5GHz band for unlicensed use.
 - Passed unanimously