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**IEEE P802.11  
Wireless LANs**

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**Remaining NO-vote of ballot on Draft 4.0 of IEEE P802.11**

The following NO-vote of Eran Shpak could not be resolved:

**Comment**

Higher (than 2Mb/s) data rates must be part of the standard. Having no standard at all is better than approving this draft as is. The standard should utilize better modulation schemes than 4FSK. Approving the draft as is will encourage vendors and users to load the precious medium with low rate transmissions. Having no standard at all may solicit non compliant vendors to employ more sophisticated modulation schemes and possibly force a far better (de-facto) standard.

**IEEE 802.11 resolution**

Comment rejected. Committee addressed the trade of spectrum efficiency; implementation complexity, cost, power consumption; and performance in multipath and interference environments. We compared several modulation methods with extensive analyses and simulations and chose FSK. More complex modulations may be used for future higher rate extensions of the FH PHY.

The industry needs a standard today as evidenced by the support in the ballot and by vendors readying products.