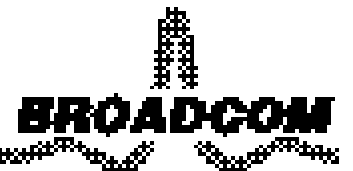


Position Statement on Modulation and Coding for Gigabit Ethernet

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Position Statement

- Broadcom has a desire to work towards consensus within 802.3ab and agree on a standard in the shortest time possible
 - We see no fundamental issues with either passband or baseband schemes that would preclude a cost effective solution
 - We prefer passband over baseband due to its lower baud rate, lower SNR requirement, and other reasons stated in previous presentations
 - However, discussions and informal vote in Maui clearly indicate a preference for a baseband scheme among the members of this task force
 - While the 24D lattice code was the best choice for a passband modulation scheme, 4D time-independent trellis is a better match for a baseband scheme, particularly when used in combination with Decision-Feedback Sequence Estimation (DFSE)
- In order to accelerate the standards effort, Broadcom will support a 5-level PAM modulation scheme as well as the 4D time-independent trellis code that was discussed at the Maui meeting.***

