

Response to the TGA IEEE 802.11/BRAN Liaison Issues for a Common PMD

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Liaison on a 5GHz Common PMD

List of Issues and Importance from 11/9/98

Preamble design/multiple preambles (major)

Sampling rate (major)

Channel spacing (major)

Interleaving (major-)

Carrier recovery pilot vs. decision aided (major-)

Coexistence (preamble+duration vs. carrier sense) (minor)

Experts Group Formed After July Meetings of 802.11 and BRAN

Jamshid Khun-Jush	BRAN - Ericcson
Mika Kasslin	BRAN - Nokia
Peter Karlsson	BRAN - Telia
Reza Ahy	IEEE 802.11 - RadioLAN
Masahiro Morikura	IEEE 802.11 - NTT
Naftali Chayat	IEEE 802.11 - Breezecom

Liaison Team and Experts Group Meeting on 11/10/98

Jamshid Khun-Jush	BRAN - Ericcson (Experts Group)
Mika Kasslin	BRAN - Nokia (Experts Group)
Juha Heiskala	BRAN - Nokia
Reza Ahy	IEEE 802.11 - RadioLAN (Experts Group)
Masahiro Morikura	IEEE 802.11 - NTT (Experts Group)
Richard Paine	IEEE 802.11 - Boeing
Steven Gray	IEEE 802.11 - Nokia Americas

Task of the Team

To see if there are any possible actions for either 802.11 or BRAN in resolving the issues raised on 11/9/98.

Assessment of the Experts Team

Issue	Importance TGA	Importance Experts Group
Preamble design/multiple preambles	Major	Minor
Sampling rate	Major	Major
Channel spacing	Major	Major
Interleaving	Major-	Minor
Carrier recovery pilot vs. decision aided	Major-	Minor
Coexistence (preamble+duration vs. carrier sense)	Minor	Minor

Team Recommendation

Investigate with model – Richard van Nee and Hitochi co-simulate a 4 channel standard and make a recommendation for common channelization and sampling rate for submission at the January meeting and proceed with common PMD.