

**Submission to:  
IEEE P802.11  
Wireless LANS**

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Title: TGb REPORT FOR MEETING OF 03/09/98 TO 03/13/98 (Irvine CA)

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**IEEE802.11 TASK GROUP B  
MARCH 1998 , IRVINE CA.  
AGENDA**

- **APPROVAL OF AGENDA. (MONDAY)**
- **APPROVAL OF JAN. 1998 MINUTES. (MONDAY)**
- **BACKGROUND (MONDAY)**
  - **SELECTION PROCESS OVERVIEW.**
- **TECNICAL PAPERS (MON., TUESD., WEDN.)**
  - **GENERAL**
    - **114**
    - **118**
    - **104**

■ 115

■ 100

■ PROPOSALS

■ 116 Proposal (Harris)

■ 79,80,81 (KDD)

■ 99,10r (Lucent)

■ 117 (Micrilor)

■ 103 (Raytheon)

■ 90-93,101,102 (GBT)

■ 82-85 (Alantro)

■ SELECTION PROCESS (THURS.)

■ 2. Elimination of the proposals with incomplete data and/or a fundamental problem not meeting the criteria.

■ 3. Establish a comprehensive comparison benchmark matrix based on the evaluation criteria.

■ 4. Presentation of the matrix to the task group.

■ 5. Last opportunity for questions by the participants.

■ 6. Closing arguments by each proposer.

■ 7. Exclusion of proposals based on 75% vote to eliminate.

■ NEXT MEETINGS AGENDA

**TASK GROUP SCHEDULE TO COMPLETION.**

- **Jan. 98**
- **March 98**  
Beginning of proposal down selection process.
  
- **May 98**  
Final Modulation selection.
- **July 98**
- **Sept. 98**  
Draft complete, Submit working group ballot (1)
- **Nov. 98**  
Submit working group ballot (2), if required.
- **Jan. 99**  
WG ballot resolution meeting, submit to working group confirmation ballot
- **March 99**  
Motion to submit sponsor Ballot
- **May 99**  
Sponsor Ballot resolution meeting ,Submit sponsor confirmation Ballot
- **July 99**  
Sponsor confirmation ballot resolution meeting, Submit to Standards board.
- **Sept. 99**  
Standards board approval OR Sponsor confirmation Ballot backup and submit to Excom e-mail ballot for submittal to standards board.
- **Nov. 99**
- **Dec. 99**  
Approval

**PROPOSALS AT THE MARCH 1998 MEETING**

<b>ALANTRO</b>	
<b>GOLDEN BRIDGE TECHNOLOGY</b>	<b>Advanced Barker Direct Sequence</b>
<b>HARRIS SEMICONDUCTOR</b>	<b>M-Mary Bi-Orthogonal Keying</b>
<b>KDD</b>	<b>Carrier Frequency Offset-Spread Spectrum (CFO-SS)</b>
<b>LUCENT TECHNOLOGIES</b>	<b>BCPM, Barker Code Position Modulation</b>
<b>MICRILOR INC</b>	<b>16-ary Differential Bi-Orthogonal Keying (16-ary DBOK)</b>
<b>RAYTHEON</b>	<b>Offset Quadrature Bi-Orthogonal</b>

**SELECTION PROCESS STEPS DURING THE MARCH  
MEETING AS OR DOC. 98/54.**

■ **2. Elimination of the proposals with incomplete data  
and/or a fundamental problem not meeting the criteria**

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This step will be accomplished by a secret vote at the task group level. If a proposal receives by a vote of 75% or more an incomplete status , it will be disqualified from further consideration.

The task group recommendation will be forwarded to the IEEE802.11 meeting for approval.

■ **3. Establish a comprehensive comparison benchmark  
matrix based on the evaluation criteria.**

A team of reviewers (not representing a proposal on the table) will be assigned to develop and present this comprehensive comparison matrix to the task group . The compilation of the matrix will start before the March meeting. The matrix will be available on the reflector 2 weeks before the meeting.

This team will work with the proposers during the March meeting to complete and to fill in the data for each proposal represented on the matrix.

Each proposer is required to submit the corresponding data for the proposal they represent.

**■ 4. Presentation of the matrix to the task group.**

The presentation will be given by the team responsible to compile the matrix.

The proposers will have the opportunity to make clarification points regarding the entries of their own proposal on the matrix.

**■ 5. Last opportunity for questions by the participants.**

The task group participants will have a last opportunity to question the proposers.

Questioning will begin with the members of the team that was assigned to compile the comparison matrix.

**■ 6. Closing arguments by each proposer.**

After the final questioning each presenter will be given time for the closing arguments regarding their proposal.

**■ 7. Exclusion of proposals based on 75% vote to eliminate.**

This is a secret voting process at the task group level. The question will be for elimination of proposals. Any proposals that receive 75% or more will be disqualified from further consideration.

The result of the vote will be forwarded to the IEEE802.11 group as a recommendation for approval .

This is the last action of the downselection process for the meeting scheduled during March of 1998.

The time between the March and the May meetings is an opportunity for the remaining proposals to consider combined approaches to reduce the number of competing solutions.

**MOTIONS / BALLOTS.**

The following secret ballots were circulated for the corresponding motions shown on the ballots:

**DOWN SELECTION BALLOT  
TASK GROUP b**

**Motion to disqualify the following proposal (s) as candidate PHYs for the 2.4 GHZ high rate PHY as stated in the selection process document (98/54) step 2.**

**VOTING BALLOT:**

**Indicate your vote by checking the appropriate box. One check per row.**

<b>PROPOSAL</b>	<b>YES (Disqualify)</b>	<b>NO (Do not disqualify)</b>	<b>ABSTAIN</b>
<b>ALANTRO</b>			
<b>GBT</b>			
<b>HARRIS</b>			
<b>KDD</b>			
<b>LUCENT</b>			
<b>MICRILOR</b>			
<b>RAYTHEON</b>			

**DOWN SELECTION BALLOT  
TASK GROUP b**

**Motion to disqualify the following proposal (s) as candidate PHYs for the 2.4 GHZ high rate PHY as stated in the selection process document (98/54) step 7.**



**VOTING BALLOT:**

Indicate your vote by checking the appropriate box. One check per row.

<b>PROPOSAL</b>	<b>YES (Disqualify)</b>	<b>NO (Do not disqualify)</b>	<b>ABSTAIN</b>
<b>ALANTRO</b>			
<b>GBT</b>			
<b>HARRIS</b>			
<b>KDD</b>			
<b>LUCENT</b>			
<b>MICRILOR</b>			
<b>RAYTHEON</b>			

**SECRET VOTING PROCESS:**

- **WATERMARKED BALLOTS WILL BE GIVEN TO VOTING MEMBERS ONLY.**
- **VOTING MEMBERS MUST PRESENT VOTING TOKEN AND PLENARY MEETING BADGE TO RECEIVE BALLOT.**
- **BALLOT WILL BE FILLED IN PRIVATE AND FOLDED BY VOTER.**
- **VOTER WILL PRESENT TOKEN AND THEN DEPOSIT THE FOLDED BALLOT AT THE EXIT OF THE ROOM WHICH WILL BE MONITORED BY IEEE802 STAFF (CCI).**
- **VOTER WILL EXIT THE ROOM. A COUNT OF PARTICIPANTS EXITING THE ROOM WILL BE MADE.**
- **AFTER RECEIPT OF ALL VOTES FROM PRESENT MEMBERS THE VOTES WILL BE COUNTED BEHIND CLOSED DOORS BY THE BALLOT GROUP (802.11 OFFICERS, CCI EMPLOYEE).**
- **NO LATE VOTES WILL BE ACCEPTED AFTER VOTE COUNT BEGINS.**
- **INCORRECTLY FILLED BALLOTS WILL BE VOIDED.**
- **RESULTS WILL BE ANNOUNCED TO THE TASK GROUP.**

**ON BEHALF OF TASK GROUP B THE FOLLOWING  
MOTIONS WERE FORWADED AND PASSED TO THE  
PLENARY:**

**1. TO ACCEPT THE RESULTS OF THE GROUPS SECRET  
BALLOT AS ANNOUNCED BY THE BALLOT GROUP.  
THIS IS PART OF THE SELECTION PROCESS STEP 2  
IN DOCUMENT 98/54.**

**NOTE: NO PROPOSAL ELIMINATED.**

**VOTE :38-0-1**

**2. TO ACCEPT THE RESULTS OF THE GROUPS SECRET  
BALLOT AS ANNOUNCED BY THE BALLOT GROUP .  
THIS IS PART OF THE SELECTION PROCESS STEP 7  
IN DOCUMENT 98/54.**

**NOTE: THE GBT AND KDD PROPOSALS WERE  
ELIMINATED AS A RESULT OF THE VOTE.**

**VOTE: 40-0-2**

## Teller's report TGb ballot 1

Proposal	Yes	NO	Abs	Perc	Total
Alantro	28	12	11	70.0	
GBT	34	12	5	73.9	
Harris	2	43	6	4.4	
KDD	21	26	4	44.7	
Lucent	8	37	6	17.8	
Micrilor	3	44	4	6.4	
Raytheon	20	26	5	43.5	
Total	116	200	41		357

## Teller's report TGb ballot 2

Proposal	Yes	NO	Abs	Perc	Total
Alantro	37	15	3	71.2	
GBT	45	9	1	83.3	
Harris	15	37	3	28.8	
KDD	42	11	2	79.2	
Lucent	25	27	3	48.1	
Micrilor	16	36	3	30.8	
Raytheon	30	20	5	60.0	
Total	210	155	20		385