IEEE 802.3 Ethernet in the First Mile Task Force
Unconfirmed Minutes

WELCOME

Tuesday, 8:30 AM, July 10th

Howard welcomed EFM Study Group to Portland. He walked through Agenda (see file posting on website for July 10-12 meeting), discussing policy, PARs, Timeline, etc. Howard passed out CDs with all presentation materials. Mentioned success and interest in EFM Tutorial on Monday night.
JC Kuo from Alloptic volunteered to act as the recording secretary for the meeting.

Howard Frazier	Dominet Systems	Agenda and General Information
Howard Frazier	Dominet Systems	PAR and 5 Criteria
Howard Frazier	Dominet Systems	EFM SG Objectives
		ITU-T SG 15 Liaison Letter
		NRIC V FG 3 Liaison Letter
		T1E1.4 Liaison Letter

AGENDA
Tuesday, 8:50 AM
Approve agenda for July 10-12 IEEE EFM Meeting
Motion: Hugh Barrass
Duan Langston second
Approved by verbal acclimation

LIASON LETTER NOTIFICATIONS
Tuesday 9:00 AM
Howard notified EFM SG of three Liaison Letters:
1. ITU-T SG 15 Q 2/15, from Peter Wery Chairman ITU-T SG 15, G.983 from concerning Optical Access Networks, in particular Passive Optical Networks and OAM.
2. NRIC V Focus Group 3, Federal Advisory Committee (FAC), from Edward Eckert Chairman, concerning Wireline Network Spectral Integrity.
3. T1E1, Edward Eckert, Chairman Technical Subcommittee T1E1 concerning VDSL
Appointed: Frank Effenberger will lead team to draft response to ITU-T G.983 SG 15 Q2 Liaison Letter to be completed by Thursday.
Appointed: Patrick Stanley to lead response team to NRIC and T1E1 Liaison letters.

PRESENTATIONS
Tuesday 10 AM to Wednesday 3 PM
Presentations were given as per the Schedule.
Each presentation was followed by Q&A.

Dan Romascanu	Avaya	IETF Ethernet Interfaces & Hub MIB Update
Dan Romascanu	Avaya	Plans to Re-org Sub-IP Technologies in IETF
Faye Ly	Salira	OAM in EFM
Hiroshi Suzuki	Cisco Systems	OAM for Copper, P2P GbE and EPON
Denny Gentry	Dominet Systems	A MAC Control Solution for OAM
Ariel Maislos	Passave	EFM Fault Detection and Isolation
Robert Carlisle	Corning	Ethernet PON Fiber Considerations
Frank Effenberger	Quantum Bridge	ITU-T Q.2/15 Physical Layer
Ken Murakami	Mitsubishi	Summary of EPON TC and MAC Approaches

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Ajay Gummalla       Broadcom          DOCSIS Overview
Hiroshi Suzuki      Cisco Systems     EPON Compatibility with 802.1D Bridging
Glen Kramer         Alloptic          EPON TDMA in PHY
Deepak Ayyagari     ADC               Access Control in Ethernet PON
Onn Haran           Passave           Ethernet PON Protocol Suggestion
Dolors Sala         Broadcom          PON Functional Requirements
Hal Roberts         ADC               Cost Effective High Split Ratios for EPON
Thomas Murphy       Infineon          Laser Considerations for Link Budget
Wael Diab           Cisco Systems     Technical and Economic Feasibility of EPON

Keith Shaneman      Corning           Deploying All Optical Access Networks
Thomas Murphy       Infineon          1000BASE-X Extended Temperature Optics
Vipul Bhatt         Finisar           Paper: Cross talk..in Gigabit Ethernet links
Vipul Bhatt         Finisar           Two New Power Penalties for Single Fiber EFM
Larry Golob         Agilent           EFM Power Budgets and Optics Considerations

Steven McLaughlin   Calimetrics       Error Control Coding and Ethernet

Frank Miller        OTI               Long Reach Requirements
Hugh Barrass        Cisco Systems     Voice Grade Copper
Brian Murray        Massana           100 Mb/s EFM over Copper
Patrick Stanley     Elastic Networks  100BASE-Cu Details
Vladimir Oksman     Broadcom          Standard VDSL Technology
Behrooz Rezvani     Ikanos            EFM - Data Rate Analysis
Kobi Mizrahi        Infineon          EoVDSL
Raffaele Penazzi    ST Micro          Standard DMT VDSL for EFM
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RESPONSE to 802.16
Wednesday, 4 PM
From 802.16 Dr. Roger B. Marks, Chair 802.16 Working Group on Broadband
Wireless Access. The question was to clarify why EFM is not including
802.16 "Are you aware of other standards or projects with a similar scope?".
Howard drafted a response, which was tuned by EFM Study Group.
Accept response to 802.16 comments 1&2
   William Quackenbush motion
   Kevin Daines 2nd
Passed by verbal acclimation

RESPONSE to 802.17 (1)
Wednesday, 4:40 PM
Letter from 802.17 RPR: 802.17 is concerned that the EFM scope is too
broad, and requesting a limiting statement on the scope of EFM work. Howard
drafted a response and it was tuned by EFM SG. Howard's letter pointed to
the defined Objectives; which narrows the EFM scope. Bob Love, Vice CHair
of 802.17 was attending and clarified his concern: that EFM does not
overlap RPR. His concerned was more public relations related. Bob agreed
to Howard's drafted response.

Accept response to 802.17 comment 1
Richard Brand motion
Don Langston 2nd
Passed by verbal acclimation (no one opposed)

RESPONSE to 802.17 (2)
Wednesday 4:45 PM

Letter from 802.17 RPR: Concern over OAM work; that there will be RPR and
EFM OAM overlap. Howard drafted a response. Howard explained that there
was no such thing as membership in EFM, and is open to all interested
members of the 802.17 Working Group. Also, a formal liaison represented
could be appointed to EFM per usual convention.   Bob Love emphasized that
OAM was very important, and Howard modified response to agree to this point,
and made sure to say that EFM welcomes the contributions from 802.17 RPR WG
members.

Accept response to 802.17 comment 2
Bob Love motion
Richard Brand second
Passed by verbal acclimation (no one opposed)

PLANS for Thursday
Wednesday 4:50 PM
Howard discussed plans for Thursday:
    Review PAR, 5 Criteria
    Liaison responses will be reviewed.
    Press Release about PAR approval will be reviewed.
    Meeting proposal for next May
    Howard requested someone host January interim meeting
    Discuss Copenhagen meeting
    Will start at 8:30 AM

Thursday, 8:30 AM
Howard went over agenda for today:
    Minutes
    Timeline
    Objectives
    Liaison
    PAR
    Critters
    PR
    Future meetings

MINUTES
Thursday, 8:45 AM
    Minutes from May 22-24 St Louis, MO
    Ajay Gummalla from Broadcom said his name was spelled wrong. This was
corrected.
    No other changes to the Minutes were requested.
    motion to approve minutes of May, 2001 meeting
    Hugh Barrass (motion)
    JC Kuo (second)
    Minutes approved by acclimation (all in favor)

TIMELINE
Thursday 8:50 AM
    Proposed Timeline was discussed.
    Howard put up Timeline as shown Agenda document (7.10.01)
    Timeline shows 802 Plenary, 802.3 Interim, IEEE SA Standards Board dates
    Timeline overlaps EFM time planning
    Starts November 00 Call for Interest
    Sept 01 PAR approved

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Jan 02 Baseline
Mar 02 Draft 1, TF review
July 02 Draft 2, WG Ballot
Jan 03 Draft 3, LMSC ballot
Sep 03 Std!
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Question: Dan: Do we expect input from other portions of 802 standards (like .1)?
Answer: Howard: Somewhere in proposal stage, we may conclude work needs to be done in 802.x, and possible a work item would be initiated in another group. Perhaps in Sept/Jan we will be working alongside other groups like .17 and .1, so that we can do joint work with other groups. If there is a work item, we will identify it.

Question: Hugh Barrass: Was timeline based on other 802.3 projects?
Answer: Howard - used his experience in GbE, etc to build timeline.

Question: Is this schedule too aggressive for EPON?
Answer: We need to start breaking down EFM to smaller groups. After this point, we will be doing most meetings in parallel. Sept will have time broken into separate groups. Need to be together for OAM.

Question: Is there any remaining interest in splitting EPON on a separate track?
Answer: Howard - it is still worth discussing. But this was voted down by 2:1 in May, so it seems the consensus is to keep it on the same track for now. Howard said that it still could be split in the future.

Question: Paul - Breaking up into separate functional groups (for meetings) (EPON, Copper, P2P, OAM)
Answers: Howard - on how to organize sub task forces: Copper, P2MP Logic, P2P/P2MP Optics, OAM. May have candidates to recommend to lead sub-task forces in September.

OBJECTIVES
Thursday, 9:10 AM

To add new objective for point to point copper
Included a list of other supporters.
The point-to-point copper PHY shall recognize restrictions imposed by operation in public access networks, including:
Recommendations from NRIC-V (USA)
ANSI T1.417-2001 (for frequencies up to 1.1 MHz)
Frequency plans approved by ITU-T SG15/Q4, T1E1.4 and ETSI/TM6

Michael and Hugh accepted a friendly amendment to add "spectrum management" to the sentence, as shown below:

The point-to-point copper PHY shall recognize spectrum management restrictions imposed by operation in public access networks, including:
Recommendations from NRIC-V (USA)
ANSI T1.417-2001 (for frequencies up to 1.1 MHz)
Frequency plans approved by ITU-T SG15/Q4, T1E1.4 and ETSI/TM6

Michael Beck -motion
Hugh Barrass - second

Technical >= 75%
Voting:
Yes __ 72
No __ 0
Abstained __ 17
Motion was passed

No other motions offered concerning objectives.

Liaison Responses
Thursday, 9:20 AM

ITU-T SG15 Liaison Response
Frank Effenberger went over response to ITU-T - letter draft. Frank read
this letter to the EFM SG.
Howard will find out if the Liaison would be from 802.3 or from EFM.
Discussion: the Sept 17-19 Copenhagen meeting information was added
Discussion: added "members" to ITU study group to make sure it is
individuals that contribute, and minor word smithing.
Motion to approve ITU-T SG15 Liaison Response Letter and appoint Frank
Effenberger as Liaison
Motion: William Quackenbush
Second: Roy Bynum
Technical >= 75%
Y___ 79
N ___ 0
A ___ 2
Motion was approved.

NRIC V , Focus Group 3 Liaison Letter
Patrick Stanley went over the response letter to NRIC V Focus 3.
Minor word smithing.
Motion to Approve NRIC V FG 3 liaison letter:
Hugh Barrass
Second: Michael Beck
Technical >= 75%
Y___ 80
N ___ 0
A ___ 6
Motion was approved

T1E1.4 Response Letter (T1E1/2001-037 R1 Ethernet over VDSL) to Mr. Ed
Eckert, Chairman T1E1
Patrick Stanley went over the response letter to T1E1.4.
Minor word smithing.
Motion to Approve T1E1.4 Liaison letter:
Hugh Barrass
Second: Michael Beck
Technical >= 75%
Y___ 74
N ___ 0
A ___ 9
Motion was approved

PAR ITEM 12
Thursday 9:55 AM
Frank Effenberger - PAR item 12, discussing other standards. Where it says

FSAN it should say ITU-T Q2/15 (FSAN).   A friendly amendment was made to accept "ITU-T SG 15" which is more encompassing of access network work.

Change "FSAN" to "ITU-T SG 15" in 802.3ah PAR item 12
Motion by Frank Effenberger
Second by Walter Soto
Technical >= 75%
Y___ 77
N ___ 0
A ___ 7
Motion was approved

PAR ITEM 13
Thursday 10:05 AM
Howard Frazier and Geoff Thompson: Item 13 International Harmonization: Changed to say "It is the current policy of 802.3 to submit their standards to ISO/IEC JC1 via fast track after IEEE approval"

PAR FINAL DRAFT
Thursday 10:15 AM
Motion To approve PAR as written
Motion by Richard Brand
Second by Don Langston
Technical >= 75%
Y___ 84
N ___ 0
A ___ 0
Motion was approved

5 Criteria
Thursday 10:18 AM
Howard displayed 5 Criteria - went through each one. Some discussion ensued; no changes were made.

Press Release
Thursday 10:25 AM
George Eaton displayed press release - and it was a long one ;)
Changes: Several companies were added to the list, minor wordsmithing was Done
Motion to approve Press Release as modified
Motion by George Eaton
Second by Roy Bynum
Technical >= 75%
Y ___ 79
N ___ 0
A ___ 0
Motion was approved

Future Meetings
Thursday 10:50 AM
Howard went over upcoming meetings
17-19 Sep 2001 Copenhagen, Denmark
11-16 Nov 2001 Austin, TX 802 Plenary
Jan 2002 Need host!!!!!
10-15 Mar 2002 St. Louis MO 802 Plenary
20-22 May or 27-29 May Edinburgh, UK

Copenhagen Denmark
Thursday 11:00 AM
Bob Grow discussed Copenhagen
at Hilton Copenhagen Airport
Poll _____ 59 people will attend at Copenhagen

Edinburgh Scotland
Thursday 11:05 AM
Tality's Proposal
May 20-22, 2002
Crown Plaza Hotel
Rate of $220 proposed to include accommodation, breakfast, refreshments
Contact dellis@tality.com <mailto:dellis@tality.com>
Poll _____ 65 people will attend Edinburgh

Adjourned
11:10AM